

95th Annual Report
2017-2018
Part-I



University of Delhi
Delhi

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University of Delhi
95th Annual Report
PREFACE

The University of Delhi is a premier university of the country. Since its establishment in 1922, it has maintained the highest academic standards and has established some of the best practices in higher education in the country. In line with its motto, *Nishtha Dhriti Satyam*, the University has continued to foster a long-term commitment to nation building and an unflinching adherence to universal human values. It is a pleasure and privilege to present the 95th Annual Report of the University, covering the period from April 1, 2017 to March 31, 2018.

The University has been ranked top most in the country by US News Global Top University Ranking (Washington Post). It was ranked in second position in the country by India Today and is 7th in the National Institutional Ranking Framework. The h-index of the University touched 164, one of the highest among Indian universities. The University received over Rs 280 crores of grants in 2017-18 from extramural sources with over 300 research projects underway during this period. The University has set up various innovation and entrepreneurship support programmes such as the Electropreneur Park and Design Innovation Centre.

It is a matter of deep satisfaction as also an immense pleasure to report that the University of Delhi achieved a significant distinction in terms of being recommended and ranked at number one spot among universities under the Institution of Eminence Scheme of the Ministry of Human Resource Development, Government of India. This is a recognition of the cumulative efforts and contribution of our students, researchers, teachers and the administrative staff. It is no ordinary fete by any standards as the competition for the limited number of institutions to be so recognised was most severe. Our stakeholders deserve to be congratulated for this accomplishment.

The University offers more than 500 programmes, which include undergraduate programmes, an array of postgraduate programmes (Masters, M.Phil. and Ph.D.), Certificate and Diploma courses. We have successfully implemented the Choice Based Credit System (CBCS) at the undergraduate level, offering a vibrant spectrum of skill-based programmes. The process of implementation of CBCS at the postgraduate level is nearing completion and the University shall be ready with the revised curriculum from the session 2019-20. The University has established new centres of learning such as the Delhi School of Journalism, the Delhi School of Transnational Affairs, and the Institute of Cyber Security and Law. The University continues to stress on qualitative initiatives such as the conduct of the Students' Experience Survey and Benchmarking exercises to assess and renew itself.

The University is expanding collaborations with international institutions and has launched a special drive to expand the induction of foreign students, thereby reaching out to the community extensively and foregrounding its cultural ideal of *Vasudhaiva Kutumbakam*. It has also adopted five villages under the aegis of the Unnat Bharat Abhiyan initiative of the MHRD and continues to undertake need based and participatory community development work in these communities.

Among the several important initiatives by the University, the one on sustainability deserves to be mentioned here. We have embarked on the path of sustainability aimed at reducing carbon footprint of our myriad actions and activities. Installation of solar power heaters in most student hostels, replacement of traditional light sources by LED lights, shifting to e-governance including online admissions and entrance tests are some of the important efforts in this direction. By migrating to the online admissions and online entrance tests, the University contributes to saving nearly 5000 trees annually – helping add a forest to the nation each year.

As an emerging leader in global education and research, it is the prerogative of the University of Delhi to contribute significantly to the intellectual growth of the country by serving around seven lakh students and faculty from across India and abroad.


Yogesh K. Tyagi
Vice Chancellor
University of Delhi

EDITORIAL COMMITTEE

The 95th Annual Report of the University of Delhi for the year ending 31st March, 2018 is presented here. The Report consists of two parts:

Part-I contains information about University of Delhi's academic progress including Faculties, Departments, Centres, Colleges and Finance.

Part-II carries Information and Data.

The Editorial Board, which prepared this Report, comprised of the following members:

1.	Prof. Pami Dua	Dean Academic Activities & Projects, Chairperson
2.	Prof. Tarun Kumar Das	Registrar, University of Delhi
3.	Dr. Payal Mago	Joint Dean Colleges
4.	Prof. Yogendra Singh	Dean Research, Life Sciences
5.	Prof. T. R. Seshadri	Dean Research (Phy. Sc. & Math Sc.)
6.	Prof. Vijay Chaudhary	Department of Biochemistry
7.	Prof. Kavita Sharma	Dean, Faculty of Commerce
8.	Prof. Madhu Vij	Faculty of Management Studies
9.	Prof. Neera Agnimitra	Head, Department of Social Work
10.	Prof. Arun Jagannath	Department of Botany
11.	Prof. Sanjay Kapoor	Department of Plant Molecular Biology
12.	Prof. Vandana Roy	Dean, Faculty of Medical Sciences
13.	Prof. Mohan	Dean, Faculty of Arts
14.	Prof. Ajay Kumar	Department of Mathematics
15.	Prof. Nandita Babu	Department of Psychology
16.	Prof. Kumud Sharma	Officiating Director, Directorate of Hindi Medium Implementation
17.	Dr. Mukesh Mehlawat	Department of Operational Research
18.	Dr. Meenal Dhall	Department of Anthropology
19.	Dr. K. Ratnabali	Faculty of Law
20.	Dr. Uma Chaudhry	Bhaskaracharya College of Applied Sciences
21.	Capt. Parminder Sehgal	NSS Coordinator
22.	Mr. Pradeep Kumar	Deputy Registrar (Council)

Co-opted members:

i)	Prof. A. K. Singh	Department of Commerce
ii)	Dr. K P Singh	Department of Library and Information Science
iii)	Dr. Asani Bhaduri	Cluster Innovation Centre
iv)	Dr. Surinder Kaur	SGTB Khalsa College
v)	Dr. Renu Baweja	Shivaji College

The Report presents the highlights of activities and achievements of the University of Delhi during the year 2017-2018 (April 1, 2017 to March 31, 2018).

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OFFICERS OF THE UNIVERSITY

Chancellor

Hon'ble Mohd. Hamid Ansari up to 10.08.2017

Hon'ble Muppavarapu Venkaiah Naidu w.e.f. 11.08.2017

Pro-Chancellor

Justice Jagdish Singh Khehar up to 27.08.2017

Justice Dipak Mishra w.e.f. 28.08.2017

Vice-Chancellor

Prof. Yogesh Kumar Tyagi

Pro-Vice-Chancellor

Prof. J. P. Khurana (Officiating)

Dean of Colleges

Prof. Devesh Kumar Sinha up to 08.02.2018

Director, South Delhi Campus

Prof. J. P. Khurana

Director, Campus of Open Learning

Prof. C. S. Dubey (Officiating)

Treasurer

Mr. T. S. Kripanidhi

Proctor

Prof. Neeta Sehgal (Officiating)

Dean Students Welfare

Prof. Rajesh Tandon w.e.f. 17.05.2017

Registrar

Prof. Tarun Kumar Das

DEANS OF FACULTY

Arts

Prof. Mohan w.e.f. 13.09.2016

Science

Prof. M.K. Pandit

Social Sciences

Prof. J.P. Dubey up to 13.03.2018

Prof. V. K. Dixit w.e.f. 14.03.2018

Law

Prof. (Ms.) Ved Kumari

Management Studies

Prof. M.L. Singla up to 26.05.2017
Prof. Sunita Singh Sengupta w.e.f. 27.05.2017

Mathematical Sciences

Prof. Prakash Chandra Jha

Medical Sciences

Prof. Arunabha Ray up to 13.10.2017
Prof. Rachna Gupta w.e.f. 14.10.2017

Music & Fine Arts

Prof. Suneera Kasliwal

Technology

Prof. Avinash Khare up to 26.09.2017
Prof. Sachin Maheshwari w.e.f. 27.09.2017

Ayurvedic and Unani

Dr. Mohd. Idris Khan up to 04.07.2017
Dr. Uma Shankar w.e.f. 05.07.2017

Education

Prof. (Ms.) N. Ranganathan

Inter-Disciplinary and Applied Sciences

Prof. Pradeep Kumar Burma

Applied Social Sciences and Humanities

Prof. Suresh Chand Aggarwal up to 19.07.2017
Prof. V. K. Kaul w.e.f. 20.07.2017

Commerce & Business

Prof. Muneesh Kumar up to 18.05.2017
Prof. Kavita Sharma w.e.f. 19.05.2017

Homeopathic Medicine

Prof. Arunabha Ray up to 13.10.2017
Prof. Rachna Gupta w.e.f. 14.10.2017

STUDENT ENROLLMENT

As per 2017-18 data, the University has 1,89,653 undergraduate, 26,910 Post graduate students, including M.Phil/Ph.D students and 6,948 in certificate/Diploma/PG Diploma on rolls. The total number of students enrolled in conventional mode is 2,23,511. Additionally, as many as 4,05,448 Students are enrolled in the distance mode and 25,643 non-collegiate women students also form part of this mammoth University. The total enrollment across conventional and distance mode in all programmes was 6,54,602 during 2017-18. At present, more than half of the students come from states other than Delhi.

ACHIEVEMENTS OF THE YEAR

The University of Delhi has the privilege of a venerable legacy as an institution dating back to 1922. Established by an Act of Parliament, it is guided by the statutes, ordinances, rules and regulations that are stipulated.

With 16 Faculties, 87 Departments, 16 Centres and 90 Colleges, the University of Delhi is one of the largest universities in India. With more than six lakh students in the formal and non-formal/distance education mode, the University of Delhi, in keeping with its traditions and development, has moved from strength to strength.

This is reflected in the achievements and signposts established by the University during the past one year of reporting. Brief overviews of noteworthy achievements of the year 2017-2018 (April 1, 2017 – March 31, 2018) are presented here.

FOUNDATION DAY

The University of Delhi celebrated its 95th Foundation Day on May 1, 2017. The distinguished guests included Dr. Karan Singh, Member of Parliament (Rajya Sabha); Hon'ble Mr. Justice Sanjay Kishan Kaul, Judge, Supreme Court of India; Ambassador Shri Shiv Shankar Mukherjee, Former Ambassador of India to Nepal; Ambassador Shri Jayant Prasad, Director General, Institute for Defence Studies and Analyses; Dr. Swapan Dasgupta, Member of Parliament (Rajya Sabha); Shri Rajat Sharma, Chairman and Editor-in-Chief, INDIA TV and Dr. Kavita A. Sharma, President, South Asian University, all alumni of the University of Delhi.

As in earlier years, awards were conferred upon highly deserving individuals who have rendered exemplary service to the University in the past and present. These awards were under the category of 'Distinguished Service Awards' to retired teachers and non-teaching staff and 'Excellence Awards' for teachers in service in University Departments and Colleges.

CONVOCATION

The University organized its 94th Annual Convocation on November 18, 2017. The University was privileged to have Hon'ble Shri Ram Nath Kovind, President of India as Chief Guest; Hon'ble Shri Prakash Javadekar, Minister, HRD, Govt. of India as Guest of Honour and Prof. V.S. Chauhan, Chairman, U.G.C., New Delhi as Guest of Occasion.

Degrees were conferred upon 582 Ph.D. candidates and 39 D.M./M.Ch. candidates. 171 medals and prizes were awarded to meritorious students. A live webcast of the Convocation was available on the University website.

RANKINGS OF THE UNIVERSITY

The University of Delhi has been ranked No. 1 by US News Global Top University Ranking (The Washington Post) at the national level. It is ranked 2nd by QS India Ranking among public universities in India and 8th among public educational institutions/universities. It is also commendable that it is ranked 21st globally in Alumni Outcomes by QS World University Graduate Employability Ranking. Based on ranking by national agencies, the University is ranked 7th by NIRF and 2nd by India Today among public universities in India.

National Ranking

Overall Ranking	2018/19
National Institutional Ranking Framework (NIRF)	7
Centre for World University Rankings (CWUR)	7
India Today MDRA Ranking	2

International Ranking

Overall Ranking	2018/19
Times Higher Education (THE) World University Ranking	601-800
THE Asia University Ranking	144
THE BRICS & Emerging Economies University Ranking	127
Centre for World University Ranking	726
QS World University Ranking	487
QS Asia University Ranking	62
QS BRICS University Ranking	42
QS India Ranking	8 - Among Indian public educational institutions and universities 2 - Among Indian public universities

QS World Subject-Wise, 2018	
Development Studies	17
Anthropology	51-100
Geography and Area Studies	151-200
Sociology	151-200
Economics and Econometrics	201-250
Physics and Astronomy	251-300
Chemistry	351-400
Biological Sciences	351-400
QS World University Graduate Employability Ranking	
Indicators	2018/19
Overall Scores	201-250
Alumni Outcomes	21
Employer Reputation	195
Employer-Student Connections	200+
Partnership with Employers	200+

- **Department of Economics** was ranked the highest amongst university economics departments in India for the sixth successive year by RePEc, a global electronic archive of working papers and publications in Economics for the past years. (<http://ideas.repec.org/top/top.india.html>)
- **Department of Education** was ranked First in the India Today Ratings of best institutions for studies in Education.
- **Department of Physics** maintained its position in QS Rankings as the topmost university physics department in the country.
- **Department of Social Work** was ranked number one in academic excellence and placements and second-best school of Social Work in India as per Outlook Survey, 2018 as well as India Today Survey, 2018.

UNIVERSITY LECTURE SERIES AND EVENTS

Distinguished Speakers - 126th Birth Anniversary of Dr. Bhim Rao Ambedkar

A special programme was organized on “Dr. Bhim Rao Ambedkar: Mapping His Mission and Vision for the 21st Century India” to commemorate and celebrate the 126th Birth Anniversary of Dr. B.R. Ambedkar on April 14, 2017. Distinguished speakers included Hon’ble Justice (Retd) Dr. B.S. Chauhan, Chairperson, Law Commission of India, Hon’ble Justice S. Ravindra Bhat, Delhi High Court and Professor Upendra Baxi, former, Vice Chancellor, University of Delhi.

Percipience-The Eminent Alumni Lecture Series

The objective of *Percipience - Eminent Alumni Lecture Series* is to strengthen the continuing bond between the University and its huge universally diaspora alumni.

As part of this series, an Eminent Lecture by Hon’ble Mr. Justice Arjan Sikri, Judge, Supreme Court of India, distinguished alumnus of the University of Delhi was organized on April 21, 2017 on “Fundamental Duties under the Indian Constitution: Forgotten Virtues?” Prof. M.P Singh, Chancellor, University of Haryana moderated the session.

Interaction with Princess of Kingdom of Thailand and Cadets

Her Royal Highness Princess Maha Chakri Sirindhorn, Kingdom of Thailand visited the University of Delhi on July 17, 2017 along with a group of 100 staff instructors and cadets from Chulachomklao Royal Military Academy, under Royal Thai Army. The cadets were invited for a Question-Answer session. The delegation visited the historical sites in the Viceregal Lodge and appreciated the legacy of the University. The visit to the archives and the display of the University's rich heritage through exhibits, records, photographs, artefacts and paintings invoked the interest of the delegation.

Distinguished Speech by President of Federal Republic of Germany

The President of Federal Republic of Germany, Frank-Walter Steinmeier presented a speech on “India and Germany – Ideas and Perspectives” at the Convention Hall on Friday, March 23, 2018. The speech was followed by a Question & Answer Session where only students were allowed to put up questions to the Hon’ble President. The Hon’ble President described his visit to the University as a highlight of his first visit to India as a President. He was accompanied by the First Lady of Germany.

Martyrs’ Day

The University of Delhi organized a programme to pay homage to Shaheed Bhagat Singh, Sukhdev Thapar and Shivaram Rajguru on Martyrs’ Day in the Council Hall of the Viceregal Lodge on March 23, 2018. The Hon’ble Vice Chancellor presided over the function. Tribute was paid to Shaheed Bhagat Singh and his associates through a patriotic song presented by students and through the screening of a documentary film on the life of Shaheed Bhagat Singh.

ESTABLISHMENT OF NEW CENTRES OF LEARNING

Delhi School of Journalism

The University of Delhi established the Delhi School of Journalism on 26th September 2017, with a vision to make it a globally competent institution for media and journalism education. The programme is interdisciplinary incorporating the fundamentals of social sciences, sciences, gender studies, ethics and global issues. The academic session of Delhi School of Journalism was inaugurated by the Hon'ble Vice Chancellor Prof. Yogesh K. Tyagi.

The Hon'ble Vice President of India Shri Venkaiah Naidu, delivered a Distinguished Speech on the occasion of the formal inauguration of the Delhi School of Journalism on 21st December 2017.

Delhi School of Transnational Affairs

The University of Delhi launched its Delhi School of Transnational Affairs on January 17, 2018. Delhi School of Transnational Affairs is envisaged as a unique global and virtual platform for cutting-edge debates on various academic issues of Transnational significance. It seeks to bridge the barriers between scholars, thinkers and experts spread across the globe to come together and share their ideas on this platform.

The University of Delhi launched the Delhi School of Transnational Affairs with a Distinguished Lecture Series in collaboration with the External Publicity and Public Diplomacy Division of Ministry of External Affairs. Ambassador G. Parthasarathy gave the inaugural lecture on 'India's Foreign Policy and Security Challenges in the Contemporary World'. Prof. Satish Kumar, Director, Foundation for National Security Research chaired the proceedings and Prof. Harsh Pant, a Distinguished Fellow of Observer Research Foundation was the commentator of the session.

RESEARCH HIGHLIGHTS

h-index

As per Scopus database, the h-index of the University of Delhi is 164, one of the highest among Indian Universities.

Research Publications

As per Scopus database, the total number of publications from 2013-18 are 11,193.

Extramural Research Grants

University of Delhi is the recipient of the highest DST-PURSE grant for Phase-II (2014-2019) – Rs. 40.80 Crores.

The University has extramural research projects from almost every national funding agency and many international funding agencies like DBT, DST, IFICAR, UGC, MOEF, IAEA, ICAR, DRDO, CSIR, MOES, ICMR, MNRE, World Bank, TERI, Indo-USSTF, GAIL, IUAC, ICSSR, USA, MCIT, NUST, Univ. of Norway, Univ. of Turkey, ISRO, SDTT, Vigyan Prasar, SERB-DST, Japan Foundation, SEWA-THDC, MOSJ&E, DAE, MWCD, INSA, TISS-DU, Leverhulme Trust UK, ICHR etc.

Ongoing Projects in the year 2017-18 – 333

Major Projects – 200

Minor Projects – 133

Total Cost/Value of Projects – Rs. 280.5 Crores

Projects sanctioned in 2017-18 – 65

Total Amount – Rs. 37.03 Crores

Departments with Fund for Improvement of S&T (DST-FIST):

- Botany
- Chemistry
- Genetics
- Mathematics
- Physics & Astrophysics
- Plant Molecular Biology
- Zoology

Departments with Financial Assistance under UGC SAP for the year 2017-18**Departmental Research Support (DRS)**

- Anthropology
- Biochemistry
- Dr. B.R. Ambedkar Centre for Bio-Medical Research
- Geography
- Genetics
- Germanic and Romance Studies
- Hindi
- Modern Indian Languages and Literary Studies
- Persian
- Plant Molecular Biology
- Psychology

Department of Special Assistance (DSA)

- English
- Mathematics
- Music

Centre for Advanced Study (CAS)

- Buddhist Studies
- Chemistry
- Economics
- Geology
- History
- Linguistics
- Political Science
- Social Work
- Sociology

Area Studies Programme (ASP)

- African Studies
- Centre for Canadian Studies
- East Asian Studies

Faculty Members with Grants above Rupees One Crore:

During the reporting period, some faculty members of the University have been sanctioned Research Projects of the value of more than Rupees One Crore each.

1. Prof. Daman Saluja, **ACBR**, Rs. 3 Crores from DBT
2. Prof. V. K. Chaudhary, **Biochemistry**, Rs. 3.39 Crores from DBT
3. Dr. Renu Deswal, **Botany**, Rs. 1.23 Crores from IBSD
4. Dr. Vipin Gupta, **Botany**, Rs. 3.81 Crores from DBT
5. Prof. Arun Jagannath, **Botany**, Rs. 1.08 Crores from DBT
6. Prof. C. R. Babu, **CEMDE**, Rs. 1 Crore, Rs. 3.10 Crores, Rs. 1.07 Crores and Rs. 2.83 Crores from DDA
7. Dr. Jyoti Sharma, **CIC**, Rs. 1.27 Crores from DST
8. Prof. Christol Dawondson, **English**, Rs. 1.07 Crores from UGC/DAAD
9. Prof. Radhey Shyam Sharma, **Environmental Studies**, Rs. 1.29 Crores from MOEF
10. Prof. A. K. Pradhan, **Genetics**, Rs. 1.27 Crores from DBT-UDSC
11. Prof. B K Thelma, **Genetics**, Rs. 3.50 Crores from SERB
12. Prof. G. V. R. Prasad, **Geology**, Rs. 1.36 Crores from DST
13. Prof. J. P. Khurana, **Plant Molecular Biology**, Rs. 1.65 Crores from DBT
14. Prof. B.C. Chaudhary, **Physics & Astrophysics**, Rs. 2.01 Crores and Rs. 2.50 Crores from DST
15. Dr. Kirti Ranjan, **Physics & Astrophysics**, Rs. 9.99 Crores from DST
16. Dr. Md. Naimuddin, **Physics & Astrophysics**, Rs. 1.78 Crores from DST

Faculty Members with Grants above Rupees Ten Lakhs:

1. Dr. Ajay K Yadav	ACBR
2. Dr. Aparna Dixit	ACBR
3. Prof. Daman Saluja	ACBR
4. Prof. Vani Brahmachari	ACBR
5. Prof. J. P. Dubey	Adult, Continuing Education and Extension
6. Prof. A. K. Kapoor	Anthropology
7. Prof. S. M. Patnaik	Anthropology
8. Prof. V R Rao	Anthropology
9. Dr. Alo Nag	Biochemistry
10. Dr. Amita Gupta	Biochemistry
11. Prof. D Pental	Biochemistry
12. Prof. D P Sarkar	Biochemistry
13. Prof. Suman Kundu	Biochemistry
14. Prof. V. K. Chaudhary	Biochemistry
15. Prof. A. K. Pandey	Botany
16. Prof. K. S. Rao	Botany
17. Prof. Manu Agarwal	Botany
18. Prof. P. L. Uniyal	Botany
19. Dr. Ratul Baishya	Botany
20. Dr. Sandip Das	Botany
21. Prof. S. C. Bhatla	Botany

22. Prof. Suman Lakhanpal	Botany
23. Dr. Yashwanti Mudgil	Botany
24. Prof. Veena Aggarwal	Botany
25. Prof. Vishnu Bhat	Botany
26. Dr. Manisha Goel	Biophysics
27. Dr. J.S. Purohit	CIC
28. Dr. Sonam Singh	CIC
29. Prof. A. K. Verma	Chemistry
30. Dr. Amarjeet Kaur	Chemistry
31. Prof. A. Sakthivel	Chemistry
32. Prof. D. S. Rawat	Chemistry
33. Prof. Gurmeet Singh	Chemistry
34. Dr. Indrajit Roy	Chemistry
35. Dr. Neetu Singh	Chemistry
36. Prof. N Tirupathi	Chemistry
37. Prof. Parbati Biswas	Chemistry
38. Dr. P. Venkatesu	Chemistry
39. Prof. Rajeev Gupta	Chemistry
40. Prof. Rama Kant	Chemistry
41. Dr. Ramendra Pratap	Chemistry
42. Prof. R. Nagarajan	Chemistry
43. Dr. R. K. Sharma	Chemistry
44. Prof. Ramesh Chandra	Chemistry
45. Dr. Sasank Deka	Chemistry
46. Prof. Sitharaman Uma	Chemistry
47. Prof. Sunil Kumar Sharma	Chemistry
48. Dr. Surendra Singh	Chemistry
49. Dr. Chirashree Ghosh	CEMDE
50. Prof. C. R. Babu	CEMDE
51. Prof. Inderjit Singh	CEMDE
52. Prof. Mridula Gupta	Electronic Science
53. Prof. Anupam Chattopadhyay	Geology
54. Prof. J. P. Shrivastava	Geology
55. Dr. N. C. Pant	Geology
56. Prof. Pankaj Srivastava	Geology
57. Dr. Aruna Devi Naorem	Genetics
58. Prof. A. K. Pradhan	Genetics
59. Prof. B. K. Thelma	Genetics
60. Dr. Jagreet Kaur	Genetics
61. Dr. Kaustuv Datta	Genetics
62. Prof. M V Rajam	Genetics
63. Dr. Surajit Sarkar	Genetics

64. Prof. Tapasaya Srivastava	Genetics
65. Dr. Sanjeev Singh	IIC
66. Prof. Rani Gupta	Microbiology
67. Dr. Rajeev Kaul	Microbiology
68. Prof. R. C. Kuhad	Microbiology
69. Dr. Swati Saha	Microbiology
70. Dr. Sachi Srivastava	Mathematics
71. Dr. Awadhesh Prasad	Physics & Astrophysics
72. Prof. Binay Kumar	Physics & Astrophysics
73. Prof. Kirti Ranjan	Physics & Astrophysics
74. Dr. Nivedita Deo	Physics & Astrophysics
75. Prof. R. P. Tandon	Physics & Astrophysics
76. Prof. Sanjay Jain	Physics & Astrophysics
77. Prof. S. A. Annapoorni	Physics & Astrophysics
78. Dr. S. A. Hashmi	Physics & Astrophysics
79. Prof. T. R. Seshadri	Physics & Astrophysics
80. Prof. Devki Nandan Gupta	Physics & Astrophysics
81. Prof. Vinay Gupta	Physics & Astrophysics
82. Prof. Sanjeev Kr. HM	Political Science
83. Prof. Akhilesh K Tyagi	Plant Molecular Biology
84. Prof. Anil Grover	Plant Molecular Biology
85. Prof. Arun K Sharma	Plant Molecular Biology
86. Prof. G. K. Pandey	Plant Molecular Biology
87. Prof. I. Dasgupta	Plant Molecular Biology
88. Prof. J. P. Khurana	Plant Molecular Biology
89. Prof. Paramjit Khurana	Plant Molecular Biology
90. Prof. Sanjay Kapoor	Plant Molecular Biology
91. Dr. Saurabh Raghuvanshi	Plant Molecular Biology
92. Dr. Surekha K Agarwal	Plant Molecular Biology
93. Prof. Alok Chandra Bharti	Zoology
94. Prof. D. K. Singh	Zoology
95. Prof. Neeta Sehgal	Zoology
96. Prof. Rajagopal Raman	Zoology
97. Dr. Ram Krishan Negi	Zoology
98. Prof. Rina Chakrabarty	Zoology
99. Prof. Rita Singh	Zoology
100. Prof. Rup Lal	Zoology
101. Prof. Vinod Kumar	Zoology
102. Prof. Yogendra Singh	Zoology

Foreign Grants

Name	Department	Amount (Rs.)
1. Prof. S. D. Biju	CEMDE	USD \$ 100000
2. Dr. Amita Chandra	Physics& Astrophysics	Euro (€) 55000
3. Prof. D. K. Singh	Zoology	Euro (€) 37000
4. Dr. R. K. Seth	Zoology	Euro (€) 44808

RESEARCH JOURNALS OF THE UNIVERSITY

E-journals

The University of Delhi publishes two e-journals:

- The *Delhi University Journal of Undergraduate Research and Innovation* (ISSN 2395-2334), an online biannual peer reviewed research journal (first of its kind in India).
- The *Delhi University Journal of the Humanities and the Social Sciences* (ISSN 2348-4357), peer reviewed research journal.

In addition, there are several other journals which are published by individual departments and colleges that include *Indian Economic Review*, *Journal of Commerce and Business Studies*, *Vageshwari*, *Indian Law Journal*, *Indian Journal of African Studies*, *Journal of Law Teachers of India*, *The Indian Journal of Chest Diseases & Allied Sciences*, *Journal of Library & Information Science*, *Phytomorphology* etc.

IPR CELL AND PATENT FUND

The Intellectual Property Rights Cell of the University operates from the Research Council. It was created to increase awareness and facilitate patent filing, maintenance and technology transfer. The guidelines for patent filing and collaborative research have been framed and a patent fund has been set up for the university faculty. During the year 2017-18, five patents (2 Indian and 3 Foreign) were granted, seven patent Applications (4 Indian, 2 Foreign and 1 PCT) were published and 10 new Indian Patent Applications were filed. The University is framing guidelines for Technology Transfer by the University Faculty. A total of 204 patents have been filed so far.

DIGITAL INITIATIVES OF THE UNIVERSITY

The University has undertaken several digital initiatives in the past years which include the following:

Campus Connectivity

- Wi-Fi enabled campus and colleges
- NKN connectivity with 10G
- Robust ICT network spanning over campus and colleges
- MPLS VPN connectivity to all the colleges

Value Added Services

- Integration of EDUROAM to facilitate Faculty Members and Research Scholars
- In-house Identity Management Services
- Open Source Technology Advocacy and Integration
- Integration with INFLIBNET resources

Digital Administrative Processes

- Online Admission
- Online Fee Collection
- Online Student Grievance Redressal System
- E- Procurement
- Online System for House Allotment
- Online System for Hostel Accommodation
- Online System for Medical Bill Reimbursement
- Online Proforma for Faculty Appointments & Screening
- Online Confirmation of Services of Faculty
- Online Proforma for Teacher's Representation on College GBs
- Online Bill processing and tracking
- Online Research Project Management

Digital Research Initiatives

- DU e-Journals
- University Research Grants
- Academic and Research Profiles of Faculty Members
- Ph.D. Evaluation and *Viva Voce*

Digital Teaching Initiatives

- Use of virtual classroom software, web-casting and video-conferencing
- Online teaching and learning resources through MOOCs
- Subscription to e-journals and resources

Digital Initiatives of the DU Library System

- e-ShodhSindhu
- J-Gate@e-Shodh Sindhu
- Accessible resources for Visually Impaired
- Internet Access Facility
- Digital Collection of Ph.D. theses
- Electronic Databases

Digital Initiatives of Examination System

- Online fee collection system for Transcript, Duplicate Degree/Statement of Marks, Attestation of Degree/Statement of Marks, Verification of Degree/Statement of Marks, Revaluation/Rechecking
- Dedicated, comprehensive and user friendly online portal of the Examination Wing providing easy access to datesheets, results, notifications, services and forms
- Online portal for receiving marks of theory examinations, internal assessment and practical papers
- Processing of results for all undergraduate courses and most of postgraduate courses through result processing software
- Online application for Advance Degree/Duplicate Degree/Attestation of Degree/Special Certificate
- Online Examination Hall Tickets and Online Admission Tickets
- Web-generated statement of marks
- Conduct of computer based online entrance examination for the first time in 2017 for nine professional undergraduate programmes at 13 cities across the country in three shifts

- Conduct of computer based online entrance examination for all postgraduate programmes, professional undergraduate programmes, M.Phil. and Ph.D. programmes at 18 cities across the country including Delhi

FACULTY AWARDS/HONOURS

- Prof. Soumendra M Patnaik, **Department of Anthropology**, Vice Chancellor, Utkal University
- Prof. D. P. Sarkar, **Department of Biochemistry**, appointed as Director, IISER Mohali.
- Prof. Suman Kundu, **Department of Biochemistry**, Suresh C. Tyagi Oration Award, 2017.
- Prof. Vijay K. Chaudhary, **Department of Biochemistry**, Outstanding Alumnus award of the College of Basic Sciences and Humanities by the G.B.Pant University of Agriculture and Technology on November 2017.
- Dr. S. Goel **Department of Botany**, Elective Council member of Association for Promotion of DNA Fingerprinting and Other DNA Technologies (ADNAT), CCMB, Hyderabad.
- Prof. V. Agrawal, **Department of Botany**, Fellow of Linnean Society of London.
- Prof. Akhilesh K. Verma, **Department of Chemistry**, UGC Mid-Career Award 2017.
- Prof. R. Chandra, **Department of Chemistry**, 105th Indian Science Congress Millennium Plaques of Honour award, 2017-18.
- Prof. Rama Kant, **Department of Chemistry**, Acharya J. C. Ghosh Memorial Medal (2016) of Indian Chemical Society
- Prof. Parbati Biswas, **Department of Chemistry**, CRSI Charusita Chakravarty Memorial Lecture Award 2017, Indian Institute of Science.
- Prof. P Venkatesu, **Department of Chemistry**, Professor Bhupendra Sahai Saxena Award -2017 from Association of Chemistry Teachers, Mumbai.
- Prof. P Venkatesu, **Department of Chemistry**, Bronze Medal – 2017 received from Chemical research Society of India (CRSI), Bangalore.
- Prof. Ajay Kumar, **Department of Commerce**, Appreciation Award in recognition of commendable services rendered for the Empowerment of Divyangjan by Chairman of Vision Divyang Foundation, 2017.
- Dr. Vandana Mishra, Deputy Director, **Developing Countries Research Centre** received IPSA National Young Political Scientist Award-2016 at the IPSA National Conference in Chennai on 15 November 2017.
- Prof. Pami Dua, **Department of Economics, Delhi School of Economics**, Distinguished Alumni Award, Lady Shri Ram College, University of Delhi, April 2017.
- Prof. Pami Dua, **Department of Economics, Delhi School of Economics**, Member, Monetary Policy Committee, RBI, 2016-20.
- Dr. Subarno Chatterjee, **Department of English**, Acadmic Writing Fellow, Rockefeller Foundation, Bellagio Center, Italy, October-November 2017.
- Prof. Maharaj K. Pandit, **Department of Environmental Studies**, Hardy Fellow, Radcliffe Institute for Advanced Study, Harvard University in the area of Life Sciences.
- Prof. Maharaj K. Pandit, **Department of Environmental Studies**, Fellow of Indian National Science Academy (INSA), New Delhi, India.
- Prof. Inderjit Singh, **Department of Environmental Studies**, Distinguished Ecologist Award by Ecological Society of America.
- Dr. Ritesh Kumar Mishra, **Department of Financial Studies**, Prof. M.J. Manohar Rao Young Economist Award (The Indian Econometrics Society) – 2017.
- Dr. Surajit Sarkar, **Department of Genetics**, Innovative Young Biotechnologist Award-2017

- Prof. R. B. Singh, **Department of Geography, Delhi School of Economics**, Vice President for second consecutive term (2016-20) of the highest world geographical body - International Geographical Union.
- Prof A. Chattopadhyay, **Department of Geology**, Fellow, West Bengal Academy of Science and Technology (WAST) in Januray 2018.
- Prof. Pankaj Srivastava, **Department of Geology**, Fellow of the Clay Minerals Society of India, Kolkata
- Prof. N. C. Pant, **Department of Geology**, Deputy Chief Officer, Geosciences Group of the Scientific Committee on Antarctic Research (SCAR) (2017-2020).
- Dr. Sneha Lata Negi, **Department of Hindi**, Mahashweta Devi Rashtriya Samman and Sahitya Samman, Gwalior Sahitya Sansthan(MP).
- Dr. K. P. Singh, **Department of Library and Information Science**, ‘DLA- Distinguished Faculty Award-2017, conferred by Delhi Library Association (DLA).
- Prof. Ajay Kumar, **Department of Mathematics**, Fellow of the National Academy of Sciences in 2017.
- Dr. Vijyant Agarwal, **Department of Manufacturing Processes & Automation Engineering**, “Best Professor Award in Operations & Manufacturing” by Dewang Mehta National Education Awards.
- Prof. J.S. Viridi, **Department of Microbiology**, President-Elect 2018, Association of Microbiologists (AMI) of India.
- Prof. Chandra K. Jaggi, **Department of Operational Research**, International Best Researcher Award 2017 for his contributions in the field of Inventory and Supply Chain Management at 7th International Science Congress in Bhutan by International Science Community Association on December 08, 2017.
- Prof. Chandra K. Jaggi, **Department of Operational Research**, Bharat Vikas Award by Institute of Self Reliance, Bhubaneswar, India, for Loyalty, Diligence & Outstanding Performance in the field of Operational Research in November 19, 2017.
- Prof. Aleem Ashraf Khan, **Department of Persian**, Hakim Abol Qasam Serdowsi Cultural & Art Sign.
- Prof. A. K. Tyagi, **Department of Plant Molecular Biology**, JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.
- Prof. A. K. Tyagi, **Department of Plant Molecular Biology**, GM Modi Award for Innovative Science & Technology, 2017.
- Prof. Girdhar K. Pandey, **Department of Plant Molecular Biology**, Fellow of National Academy of Agricultural Sciences (NAAS), New Delhi, India (2018).
- Prof. Girdhar K. Pandey, **Department of Plant Molecular Biology**, Foreign Expert Award, Institute of Agri-Biotechnology and Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).
- Prof. J.P. Khurana, **Department of Plant Molecular Biology**, Goyal Prize (in Life Sciences) by the Goyal Foundation, Kurukshetra University, Haryana, in April 2017.
- Prof. J.P. Khurana, **Department of Plant Molecular Biology**, Shri Om Prakash Bhasin Award (in Biotechnology) by Om Prakash Bhasin Foundation, New Delhi, in April 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, Birbal Sahni Award Medal of the Indian Botanical Society for 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, General Secretary (Outstation), National Academy of Sciences, Allahabad, India, (2018-2019).

- Dr. Nasreen Chowdhory, **Department of Political Science**, Vice President, International Association for the Study of Forced Migration (IASFM).
- Prof. Navnita C. Behera, **Department of Political Science**, Vice President elect, International Studies Association.
- Prof. Vinay Gupta, **Department of Physics & Astrophysics**, ISCAS Silver Medal-2017.
- Dr. M. Dwivedi, **Department of Sanskrit**, “Vividha-puraskara (Sahitya)” by Uttara Pradesh Sanskrita Sansthan on the Book Titled “Kālidāsa strī abhidhāna mālā” in December, 2017.
- Prof. Manoj Kumar Jha, **Department of Social Work**, elected as Honourable Member of the Rajya Sabha.
- Prof. Sanjai Bhatt, **Department of Social Work**, Prof. V.K.R.V Lifetime Award in Social Sciences which has been given by the Indian Social Science Association.
- Dr. Sanjoy Roy, **Department of Social Work**, Personality of the Year (2017) By Reguerdon INC.
- Prof. Nandini Sundar, **Department of Sociology**, Malcolm Adiseshiah Award, 2017 for Distinguished Contributions to Development Studies.
- Prof. N. M. Kamal, **Department of Urdu**, A.G. Nassakh Award by West Bengal Urdu Academy, Kolkata 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, Hum Sab Ghalib Award (National), Ghalib Institute, New Delhi, 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, Bihar Urdu Academy Award, Government of Bihar, Patna, 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, John Gilchrist Award.
- Prof. Rup Lal, **Department of Zoology**, Kuldeep Dhatwalia Excellence Award-2017 from Chaman Seva Sansthan, Himachal Pradesh for exemplary work, achievements, commitment and contributions in the development of nation.
- Prof. Y. Singh, **Department of Zoology**, Appaji Rao Best Mentor Award from IISc Alumni Association in 2017.

FACULTY AWARDS/HONOURS IN MEDICAL SCIENCES

- Dr. Renu Chauhan, **Department of Anatomy (UCMS)**, ‘Distinguished Doctor’s Award in July, 2017 by IMA on doctors’ day celebration.
- Prof. S.K. Bansal, **Department of Biochemistry (VPCI)**, Elected Secretary General, Biotechnology Society of India, 2017.
- Dr. S. Garg, **Department Community Medicine (MAMC)**, Dr. K.N. Rao Memorial Oration in 62nd Annual National Conference of IPHA at King’s George Medical University (K.G.M.U.), Lucknow, Uttar-Pradesh.
- Dr. V. Mendiratta, **Department of Dermatology & STD (LHMC)**, ‘Best Teacher Award’ in Dermacon 2017, Kolkata.
- Dr. V. Choubey, **Department of Dermatology (MAMC)**, Prof. V. N. Sehgal award for excellence in MD (Dermatology including Leprosy & STD).
- Dr. C. Grover, **Department of Dermatology (UCMS)**, “BM Ambady Oration” in January, 2018 for “Onychology: an integral and vital part of clinical and surgical Dermatology” by Indian Association of Dermatologists, Venereologists and Leprologists during the proceedings of DERMACON 2018, 46th National Conference of IADVL, at Kochi, Kerala.

- Dr. D Pandhi, **Department of Dermatology (UCMS)**, Sardarilal Memorial Award on 3rd December, 2017 for lifetime achievement in the specialty by IADVL Delhi state branch during CUTICON at New Delhi.
- Dr. C. Grover, **Department of Dermatology (UCMS)**, “BM Ambady Oration” by Indian Association of Dermatologists, Venereologists and Leprologists for “Onychology: an integral and vital part of clinical and surgical Dermatology” during the proceedings of DERMACON 2018, 46th National Conference of IADVL, held at Kochi, Kerala, 18-21 Jan 2018.
- Dr. Anuradha Chowdhary, **Department of Microbiology (VPCI)**, Women Achiever Award in Health Care in March, 2018 at International Women’s Week, Amity University, Noida.
- Dr. K Guleria, **Department of Obstetrics and Gynaecology (UCMS)**, Fellowship of Indian College of Obstetrics & Gynecology (FICOG) in January, 2018 at 61st All India Congress of Obstetrics & Gynaecology, held at Bhubaneswar, Odisha.
- Dr. R. Sharma, **Department of Obstetrics and Gynaecology (UCMS)**, Dr. Suneeta Mittal’s Gold Medal on Population Stabilization, in November, 2017
- Dr. R. Sharma, **Department of Obstetrics and Gynaecology (UCMS)**, FOGSI – Imaging Science Award in January, 2017 for “Evaluation of Myometrial thickness at different gestations for prediction of labour in Preterm premature rupture of membranes” at 61st All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar.
- Dr. L. Maini, **Department of Orthopaedics (MAMC)**, Indian Orthopaedic Association Arthroplasty Fellowship 2017.
- Dr Manjula Jain, Director Professor of **Department of Pathology (LHMC)**, appointed as President of Indian Association of Pathologist and Microbiologist (Delhi Chapter)s
- Dr. S. Roy Choudhury, **Department of Pediatric Surgery (LHMC)**, elected as President of Delhi chapter Indian Association of Pediatric Surgeons (IAPS).
- Dr. Vandana Roy, **Department of Pharmacology (MAMC)** delivered the 11th Professor Nasim Ansari Oration at the Ibn Sina Institute of Medieval Medicine & Sciences, Aligarh, April 7th, 2017.
- Dr. Arun Lata Agarwal, **Department of Psychiatry (GIPMER)**, Indian Media Welfare Award on 17th June 2017.
- Dr. Raj Kumar, **Department of Pulmonary Medicine (VPCI)**, Environmental Excellence Award 2017, on 28th December, 2017 for Exemplary Contribution for protecting environment by Environment and Social Development Association (ESDA) Delhi, India.
- Dr. Raj Kumar, **Department of Pulmonary Medicine (VPCI)**, Fellow, National Academy of Medial Sciences, New Delhi, 28th October, 2017.
- Dr. Gyan Saurabh, **Department of Surgery (LHMC)**, Fellowship of the Royal College of Surgeons of Glasgow, FRCS (Glasg) on 26th May, 2017.
- Dr. Manoj Andley, **Department of Surgery (LHMC)**, Fellowship of Royal College of Surgeons of Glasgow, FRCS (Glasg) in July, 2017
- Dr. V. P. Gupta, **Department of Ophthalmology (UCMS)**, Bundelkhand Gaurav Samman by Bundelkhand Vikas Parishad, June 2017.
- Dr. V. P. Gupta, **Department of Ophthalmology (UCMS)**, Lacrimal Award 2017 awarded by All India Ophthalmological Society, February 2018.

SEMINARS/CONFERENCES/WORKSHOPS ORGANIZED

(Selected list is provided below. Complete list is given under Departments/Centres)

- **Department of African Studies** organized ‘International Ambedkar Conclave: Constitution, Education, Skill Development, Economy and Entrepreneurship for SCs & STs held by the Forum of SC and ST Legislators and Parliamentarians at the Vigyan Bhawan, New Delhi on 27-28 November 2017.
- **Department of Anatomy (UCMS) and ENT** organized a workshop on “Hands on Head & Neck, Cadaveric Dissection and Reconstruction”, October 12th-14th, 2017.
- **Department of Anesthesia (MAMC)** organized a monthly clinical meet of Delhi Chapter of ISA November 2017.
- **Department of Anthropology** organized a National Seminar on "Anthropology, Health and Development: Trends and Future Perspectives" from February 20-21, 2018.
- **Department of Arabic** organized a two-day International Seminar on the topic “Diaspora Literature: Socio Cultural and Historical Aspects” on 17-18 March, 2018.
- **Dr. B. R. Ambedkar Centre for Biomedical Research** organized 11th Symposium on Frontiers in Biomedical Research during 19-21 February, 2018.
- **Department of Biochemistry** organized Symposium on “Strategies to Combat Diverse Human Diseases”, held on 13th November, 2017, funded by DU-DST Purse Grant.
- **Department of Biochemistry (LHMC)**, organized a CME Symposia on “Preventing Atherosclerosis Nutrition and Lifestyle” at G.B.Pant Hospital, August 6th 2017.
- **Department of Biochemistry (MAMC)** organized Symposium cum Workshop on “Coagulation Disorders and Metabolic targets of anti- platelet therapy: an update” on 11th November 2017.
- **Department of Biological Sciences and Engineering**, Faculty of Technology organized two day conference BESCON-2017 “National conference on Biological Engineering in 21 century” on 8th-9th September, 2017, at NSIT supported by SERB (DST).
- **Department of Biophysics** organized talk by Prof. Vladimir Ubersky: Department of Molecular Medicine, University of South Florida, Tampa, Florida USA. Unusual Biophysics and Strange Biology of Intrinsic Disorder, 13th December 2017.
- **Department of Botany** organized 3rd Plant Proteomics Workshop “Mining Proteome and Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond” on 19th-23rd December, 2017.
- **Department of Buddhist Studies** organized seminar on “Himalayan Buddhism: Continuity and Change”, University of Delhi, March 26-27, 2018, under the CAS-I Programme.
- **Department of Business Economics** organized Forty-Fourth Annual Convention on “Innovation India-Inclusive Growth, Digitalisation and Job Creation” at the S.P. Jain Centre, University of Delhi South Campus, New Delhi on 14 October, 2017.
- **Department of Cardiology, (GIPMER)**, organized First Delhi Intervention Council Meet under the auspices of Cardiology Society of India, Delhi Branch, November 17, 2017.
- **Department of Chemistry** organized International Conference on Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14th January, 2018.
- **Cluster Innovation Centre** organized a one day lecture-cum-workshop on Digital Humanities on 13th April 2018.
- **Centre for Innovation in Infectious Disease Research, Education, and Training (CIIDRET)** Organized 1st National Workshop on Protein Purification and Characterization, on February 6-9, 2018.

- **Department of Commerce**, University of Delhi and Academy of Indian Marketing organized the 6th Annual International Commerce Conference (AICC) on the theme, 'Digital Outreach and Future of Marketing Practices' on January 11-12, 2018.
- **Department of Community Medicine (MAMC)**, organized a workshop on Maternal Death Surveillance Response and Maternal Near Miss Review (MDSR) Dec. 20th-21st, 2017.
- **CFNEU, Food and Nutrition Board** and **Department of Community Medicine (UCMS)** organized "Training of Trainers programme on Nutrition and Health Education for NGO personnel in the department", Dec. 19th-20th, 2017.
- **Prof. D. S. Kothari Centre for Science, Ethics and Education** organized a two day conference on 15-16 February, 2018, on "*Identities and Education*" in collaboration with Department of Sociology and Department of Education (CIE), University of Delhi.
- **Department of Dermatology (LHMC)**, organized 2nd Geriatricon IADVL-DSB, May 14th 2017.
- **Developing Countries Research Centre** organized ICSSR sponsored two weeks Capacity Building Program from 16-29 May 2017.
- **Department of East Asian Studies** organized Workshop on 'The History of East Asia' on November 21, 2017 for College teachers.
- **Department of Economics** organized Two-day Workshop on Economics of ICTs (Information and Communication Technologies): Transformation, Digital Divides and Development on 22-23 February 2018.
- **Department of Education** organized International conference on ICT for education, Sponsored by the IASE-MHRD, New Delhi, 27 January 2018.
- **Department of English** organized a three day International Conference on "Interrogating Disability Studies: Literature, Culture, Performance", in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademi on March 8-10 2018.
- **Department of ENT and Anatomy (UCMS)**, organized a Workshop on "Hands on Head and Neck Cadaveric Dissection and Reconstruction" October 12th to 14th, 2017.
- **Department of Electronic Science** organized Open House Project Presentation by IEEE WIE-Delhi on April 29th 2017 at Delhi University, South Campus.
- **Department of Financial Studies** in association with Department of Humanities and Social Sciences, IIT Kanpur, organized a One-Day Research Seminar on "Financial Integration in the South Asian Region" under ICSSR Sponsored Research Project: "Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues" on April 1, 2017.
- **Department of Genetics** organized one day interactive meeting on 'Cell Fate and Signaling' was held on 13th October 2017 with support from DST Purse Grant.
- **Department of Genetics** organized symposium titled "Recent advances in molecular genetics with new biomedical insights", jointly organized by INSA, New Delhi and the Israeli Academy of Sciences and Humanities held at INSA, New Delhi, February 12-13, 2018.
- **Department of Geography** organized UGC SAP-DRS III National Seminar on Emerging Frontiers in Resources, Environment, Urban and Regional Planning, December 23-24, 2017.
- **Department of Germanic and Romance Studies** organized World Literature: Postcolonial Perspectives from 15-17 March 2018;
- **Department of Hindi** organized National Seminar on 'Adivasi Sahitya, Sanskriti Aur Kala: Chunauiyan Evam Sambhavnaein' with collaboration of Indira Gandhi National Centre for the Arts (IGNC), New Delhi; 12-13 April, 2018.

- **Department of History** organized International Conference on “Empires: Towards a Global History” with funding from the Weatherhead Initiative on Global History, Harvard University, The Global History Network and the University of Delhi, on 3rd- 5th December 2018.
- **Department of Information Technology**, Faculty of Technology organized a Short Term Course (STC) on the theme “Information Security and Digital Forensics (ISDF-2017)” was organized from 05th to 09th June, 2017 by the department at NSIT.
- **Institute of Informatics & Communication** organized workshop on “Unleashing Entrepreneurship in ESDM India” on 25th January 2018, S. P. Jain Centre, University of Delhi South Campus.
- **Department of Instrumentation and Control Engineering**, Faculty of Technology organized International conference named “Signal Machine and Automation”, held during February 23-25, 2018 at NSIT Campus.
- **Campus Law Centre, Faculty of Law** organized K.K. Luthra Memorial Moot Court Competition in January 19-21, 2018 which saw participation from over 60 Universities.
- **Department of Linguistics** organized a series of four Workshops on Phonetics and R (October 23-27, 2017) by Professor Peter Keegan, Auckland University, New Zealand.
- **Faculty of Management Studies** organized a one-day National Conference of FMS on ‘Rethinking Management Education in Digital Age’ at Conference Centre, North Campus on 10th February, 2018.
- **Department of Mathematics** organized International Workshop on Recent Advances in Operator Semigroups, December 18–21, 2017.
- **Department of Microbiology (MAMC)**, organized two NACO-BD CD4 Good Laboratory Practices (GLP) training programs for Laboratory Technicians of CD4 testing laboratories nominated by NACO, August 1-2, 2017 and August 3-4 2017.
- **Department of Microbiology (UCMS)** organized workshop on “Antibiotic Stewardship”, December 2017; UCMS & GTBH, Delhi, under IAMM – DC. Oct. 2017.
- **Department of Modern Indian Languages and Literary Studies** organized One Day National Seminar *Sindhi and Other Indian Languages: Literary Interactions*, sponsored by the NCPSL, MHRD, New Delhi, January 13th, 2018.
- **Faculty of Music and Fine Arts** organized the Malhar Utsav 2017 on 31st August – 1st September, 2017.
- **Department of Neonatology (LHMC)**, organized a conference on Quality improvement strategies for optimizing neonatal health care delivery for mentors in association with QI CELL KSCH at LT, KSCH, October 28th - 29th, 2017.
- **Department of Obs & Gynae (UCMS)** organized 39th Annual Conference of Association of Obstetrician and Gynaecologist of Delhi AOGD, New Delhi, November 18th-19th, 2017.
- **Department of Operational Research** organized Seminar-Cum-Workshop on Business Analytics and Intelligence, February 10, 2018.
- **Department of Orthopedics (MAMC)** organized 6th MSK imaging CME, 6th August, 2017.
- **Department of Persian** organized Hazrat Amir Khusrau Dehlavi Lecture Series held on “*Nikat-e-Bedilke do Urdu Rajuman Ka Taqabuli Mutalea*” supported by NCPUL. 23rd May, 2017.
- **Department of Philosophy** organized ICPR lecture of Prof. Lui Zhen, National Institute for Advanced Humanistic Studies, Director, Gandhi Centre on “The *Maitreyavyakarana* (in *Śataka* form) as Evidence for Cultural Exchange between China and India” on 7th November 2017.
- **Department of Physics & Astrophysics** organized a Joint International Conference Econophys-2017 & Asia Pacific Econophysics Conference (APEC)-2017, held during November 15-18, 2017.

- **Department of Physiology (MAMC)** organized a Symposium on “Defining molecular drivers of ageing and their implication in related diseases.” November 18th, 2017.
- **Inter Disciplinary Centre for Plant Genomics**, co-organized 4th International Conference on Duckweed Research and Applications, along with the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.
- **Department of Plant Molecular Biology** organized National Symposium on Database Development and Biocuration 2018 on 6-7th April 2018.
- **Department of Psychology** organized International conference on “The Indian Culture and Psychology: A Consciousness Perspective” 22-27th March 2018.
- **Department of Pulmonary Medicine (VPCI)** organized 42nd workshop on Respiratory Allergy: Diagnosis and Management, April 24th -28th, 2017.
- **Department of Pulmonary Medicine (VPCI)** organized a workshop on Update on Bronchial Asthma & Good Nebulization Practice, November 30th, 2017.
- **Department of Punjabi** organized two-day National seminar on the topic “Kartar Singh Duggal Centenary Seminar in collaboration with Sahitya Akademi, on 13th -14th November, 2017.
- **Department of Slavonic and Finno-Ugrian Studies** organized Annual Film Festival: Little Europe, Diaspora in Cinema from 23rd Oct to 30th Oct, 2017.
- **Department of Social Work** organized *Women's Leadership Summit* –08th April 2017 jointly with Department and Women's Manifesto, sponsored by Human Welfare Foundation.
- **Department of Statistics** organized Faculty Development Program on Financial Statistics during December 20-22, 2017.
- **Department of Surgery and Anatomy (UCMS)** organized a workshop on “Acute Critical Care”, January 1st, 2018.
- **Women's Studies & Development Centre (WSDC)** organized National Workshop on “Gender Mainstreaming through Research on Women's Issues” in collaboration with Association of Commonwealth Universities, 18-23 December 2017.
- **Department of Zoology** organized INSCR International Conference 2017 (IIC-2017) on “Role of Microbe-Plant-Animal Interactions in Human Health” under the aegis of Department of Zoology University of Delhi, Indian Network for Soil

ELECTROPRENEUR PARK AND INCUBATION CENTRES AT THE UNIVERSITY

A. Electropreneur Park

Electropreneur Park has been set up under the aegis of the Ministry of Electronics and Information Technology, Software Technology Park of India (STPI) and India Electronics and Semiconductor Association (IESA) to support start-ups in electronic system design and manufacturing (ESDM). The main objectives of the Park include creation of holistic eco-system for encouraging R&D, innovation, entrepreneurship in the ESDM sector in India, enabling creation of Intellectual Property, provide assistance during prototyping, development and commercialization for the products produced through the scheme for India and other growth markets, creation of employment at various levels, creation of long-term partnership with strategic sectors. Achievements by the startups at the Electropreneur Park include:

Focus on Mentoring of Incubatees

- **Strategic Mentors:** Key leaders from various industrial domains
- **Master Mentors:** Established entrepreneurs, leading angel investors and business leaders in various domains

- **Functional Domain Mentors:** Industry gurus across management functions such financial control, marketing, PR, HR and others
- **International Mentors:** leading international mentors to enhance global competitiveness

Overall Progress of the Electropreneur Park

- **Incubated startups** 17 Start-ups, 1 Pre-incubated
- **Startups Graduated** 8 Start-ups , 6 Startups generating revenue
- **Products developed** 19 New Products created. Additionally, 14 Working Prototypes created
- **IP generated**
 - 10 IP filed
 - 8 provisional patents filed
- **Startups funded** 6 Startups externally funded
- **Revenue generation** 20 Million INR revenue generated by startups
- **Value created:** INR 770 Million, estimated current valuation of start-ups, Incubated by Electropreneur Park

Startups under incubation at Electropreneur Park in 2017-18 are:

Startup Name	Product
Gene Origin*	Wearable health monitoring device for diagnoses based on Indian Ayurveda principles
Odoinfomatics*	Non-invasive, wireless Cardiac activity monitoring solution
Trydan Motors	Unique electric bike and scooter with advanced sensors and controls
GenElek *	Cost effective, light-weight Bamboo based exoskeletons for differently-abled
Motohoop	IoT based ride assistant for motorcycles to provide realtime information on map and road condition to the rider
Agro2o	Indoor, Intelligent, automated hydroponics system for growing fresh herbs, medicinal plants, veggies and flowers

* Startups by students from University of Delhi

B. Technology Business Incubator

The Ministry of Micro, Small Medium Enterprise (MoMSME) has supported the Technology Business Incubator (TBI) at the Cluster Innovation Centre, University of Delhi (DUCIC, TBI) under the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubators". TBI has been set up with an objective to facilitate nurturing of ideas by promoting emerging technological and knowledge based innovative ventures. DUCIC-TBI (MSME), provides funding (through MoMSME), mentoring and co-working space to students facilitate start-ups So far, eight projects have been incubated and three profitable companies have graduated.

C. Centre for Entrepreneurship and Career Oriented Programs (CECOP)

The Centre has been set up to address Career oriented programmes to impart skill training to both teachers and students from various institutions of the University of Delhi.

D. Innovation & Entrepreneurship Development Centre (IEDC)

In order to promote and encourage young entrepreneurs Acharya Narendra Dev College has an Innovation & Entrepreneurship Development Centre (IEDC) that is sponsored by Department of Science & Technology, Govt. of India to develop an entrepreneurial culture among the academic institutions.

E. Incubator in collaboration with Ministry of MSME

With a vision to ignite a spirit of entrepreneurship and a passion for leadership and progressive business ideas among students, Atma Ram Sanatan Dharma College (ARSD), University of Delhi also established a Centre for Innovation and Entrepreneurial Leadership (CIEL), Technology Business Incubator (TBI), supported by the Ministry of Micro, Small and Medium Enterprise (MSME), Government of India.

F. Design Innovation Centre at University of Delhi with funding from the Ministry of MHRD

Design-centred innovation is a force multiplier that can help the country move up the value chain, making Indian industry globally competitive. In this context, Ministry of Human Resource Development proposed to launch a National Initiative for Design Innovation in the Twelfth Plan. Under this initiative, 20 new Design Innovation Centers (DIC), one Open Design School (ODS) and a National Design Innovation Network (NDIN), linking together all these schools, would be set up. University of Delhi was one of the 5 institutions that were granted the DIC project on the first round on a Hub and Spoke model, with the following partnership.

- University of Delhi (Hub)
- Jamia Millia Islamia, New Delhi (Spoke 1)
- Islamic University of Science and Technology, J&K (Spoke 2)
- NIFT, New Delhi (Spoke 3)

DIC, DU project is implemented by the Cluster Innovation Centre as part of its mandate to build an innovation ecosystem in the University and to provide facilities for idea-to-product-to-business. DIC

1. Promotes a culture of innovation and creative problem solving
2. Promote knowledge sharing and collaboration amongst industry, academia, Government Institutions, research laboratories, etc;
3. To serve as a location for the industrial collaborators to encourage their new Product Development in the campus using in-house facilities.
4. To serve as a place that imparts design based education and practice systematic design through projects to enhance interdisciplinary design-focused innovation and creativity.

Total Funding provided by MHRD is Rs. 10 Crores (Hub: 7 crores, Spoke: 1 crore each)

Operational since July 2015, DIC, DU has carried out many design innovation projects and offered courses on design thinking and entrepreneurship. It is in the process of establishing state-of-art Design and product development facilities. It offers Fellowships, Internships and Industry Linkage Programs to students with innovative ideas.

ACADEMIA - INDUSTRY LINKAGE

The University's statutory provisions promote engagement of eminent persons from various fields such as industry, trade, business, journalism, music, literature, visual and performance art with the University. To promote academic industry linkages, the University is actively engaged in the following ways:

The Faculties of Management Studies, Social Sciences, Inter-Disciplinary & Applied Sciences, Commerce, Applied Social Sciences and Humanities, Medical Sciences, Technology, Cluster Innovation Centre, Institute of Informatics and Communication have established an active interface with industry partners. Some examples of the linkages are as follows:

- CIIDRET has organised Industry-Academia Interaction through ‘Entrepreneurship Guest Public Lecture Series’, which includes lectures by Entrepreneurs and the facilitators of Innovation.
- Leadership Lecture Series was started in Aug 2017 at Cluster innovation Centre. Four lectures were organised in 2017 – 18, inviting professionals from Tata Communications limited, IBM Research New York, IBM Research India and Pitney Bowes.
- A Seminar on “Goods and Services Tax (GST): The Road Ahead” was organized by Department of Commerce, University of Delhi on 28th February, 2018 in collaboration with PHD Chamber of Commerce and Industry.
- A MoU was signed on 22nd November 2017 between Design Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry with the objectives of organising events jointly to propagate Design Thinking & Innovation.
- The Department of Environment science participated in conducting Ecological Surveys & River Basin Studies with WAPCOS Limited, Gurgaon.

Several faculty members of the University offer Consultancy Services to industry, ministries and Governmental organizations based on expertise in their fields like UNESCO/SNA/CD; SCHLUMBERGER OIL; Ministry of Water Resources; Hindustan Zinc Ltd (HZL); TPDDL; M/s SPAN Diagnostics Limited Surat (M/s Arkray Health Care Pvt Ltd. Surat); M/s Yashraj Biotechnology Ltd., Mumbai (YBL); DRDO; NHPC Limited; NADP (Department of Business Management and Industrial Administration); GAIL (India) Limited; IRCTC; Britannia Limited; ICSSR; SEWA-THDC; CBM; Department of Women and Child Development; Indo Global Social Service Society (IGSSS); Oxfam India; Dugar Hydro Power Limited; AVA; RS Environlink Pvt. Ltd.

MEMORANDA OF UNDERSTANDING WITH FOREIGN UNIVERSITIES

To enrich its academic inputs and experiences, the University of Delhi has maintained its tradition of entering into academic collaboration with premier institutions. In its endeavour, the University has signed up for academic and research collaborations with many institutions globally. In the reporting period, MoUs and Agreements include:

- Paderborn University, Germany
- University of Edinburgh, UK
- University of Sheffield, UK
- Universidad Externado De Colombia, Latin America
- Philipps-Universitat Marburg, Germany
- University of Copenhagen, Denmark
- Instituto Camoes, Portugal
- Freiburg University, Germany
- National Chung Cheng University, Taiwan
- State University of New York at Oswego, USA
- The College of Law and Business, Israel
- University of Teacher Education, State of Vaud, Switzerland
- Macquarie University, Australia
- Samarkand State University, Uzbekistan
- University of Costa Rica, Central America
- National Chengchi University (NCCU), Taiwan
- National Pingtung University of Science and Technology, Taiwan.

EQUAL OPPORTUNITY CELL INITIATIVES

During the period under report, the Equal Opportunity Cell of the university has continued its ongoing endeavours to provide multiple support systems for students with disabilities. These include providing volunteer support services, access to a high-tech computer lab, reading materials in accessible format, limited transport facility etc. In addition, some fresh activities were also undertaken.

Like the previous years, comprehensive support to students with disabilities was provided during the admission process by facilitating filling the online forms, counseling and addressing their individual grievances. Running of Short Term Courses and conversion of materials in e-text format have been some of its other activities. During the period under report, short term courses of three months' duration each were conducted for SC/ST/OBC and PWD students in ICT and English Communications. The Sign Language courses were open to all students.

Providing material in accessible format for visually impaired students has been one of EOC's major activities. During last year, more than 9400 volunteer hours were made available for this purpose and more than 700 books were converted into e-texts.

The EOC had two international events:

- A half day workshop was conducted for College Coordinators of various Enabling Units.
- In January, 2018, a group of Disability Experts from Nepal visited Delhi University to learn about the accessibility provisions for persons with disabilities and see the facilities provided by the EOC.

PLACEMENT ACTIVITIES

The University has a Central Placement Cell (CPC) to arrange employment opportunities for students pursuing Undergraduate, Postgraduate and Ph.D studies in all the constituent Colleges and Departments. The academic year 2017-18 was the tenth year of working of the CPC. This year 38 companies carried out on-campus selection drives at North as well South Campus. More than 1500 students were shortlisted with job offers from different companies and 1100 students got employment in various public and private sector organisations. There is a significant increase in the number of corporates jobs to Postgraduate and Ph.D candidates in 2017-18. Along with the regular CPC activities, under Capacity Enhancement Programme, experts from different fields were invited to interact with 1st and 2nd year students for providing them specialized career guidance and training in soft skills.

The Central Placement Cell acts on the advice of the Placement Cell Advisory Committee under Dean Student's Welfare, comprising of Deputy Deans Student's Welfare, consultant and placement coordinators from all the colleges and departments. The advisory committee monitors and guides the functioning of the Placement Cell. Different Capacity Enhancement Programmes were organized for students to develop their leadership skills.

Several departments have their own placement cells for career guidance and recruitment of students. Some of the departments have a high placement rate, which includes the Department of Biochemistry, Business Economics, Commerce, East Asian Studies, Economics, Social Work, Statistics and Faculty of Management Studies.

SKILL ENHANCEMENT INITIATIVES

The University has implemented the Choice Based Credit System (CBCS) for the undergraduate programmes from the session 2015-16. Skill Enhancement Courses in B.Sc.(Hons.)/B.A./ B.Sc. Programme were included where these value-based and/or skill-based courses are aimed to provide hands-on-training, competencies, skills, etc. The University is actively involved in creating skilled manpower for industry requirements at various levels under the scheme Deen Dayal Upadhyay Centres for 'Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (KAUSHAL).' The University signed an MoU with the National Skill Development Corporation (NSDC) for the introduction of skill-based courses for its students. The University also offers Bachelors programme in vocational courses in four of its colleges (College of Vocational Studies, Jesus and Mary College, Ramanujan College and Kalindi College) to promote higher-order skill development and augment employability in areas such as Tourism Management, Office Management and Secretarial Practice Management, Marketing of Insurance,

Human Resource Management and more. Further, Sri Guru Tegh Bahadur Khalsa College of the University has been sanctioned B. Voc courses in Multimedia Content, e-Learning and m-Learning, Forensic Science Techniques, Communication and Mass Media Production, Applied Computer Science, E-Taxation and E-Accounting and M.Voc Degree Programmes in Multimedia content, e-Learning and m-Learning, Forensic Science Techniques, Communication and Mass Media Production, Computer Simulation and Modelling. Ramanujan College of the University has been sanctioned B. Voc. Courses in Advertising & Digital Marketing and Animation & VFX.

SOCIAL OUTREACH

The University is dedicated to serving individuals, society and the nation through its outreach and community engagement activities as an attempt to contribute to national development. Departments organise multiple initiatives in domains such as women's empowerment, environment, disaster response, urban community development and others. In order to build strong linkages with the community, the University has also adopted the Community College Scheme of the UGC. Under this scheme, neighborhood colleges are designated as Community Colleges with the aim to offer low cost and high quality education locally, that encompasses both skills development as well as traditional coursework, thereby providing opportunities to the learners to move directly to the employment sector or move into higher education.

The University had set up the Community Development Cell three years ago. Under this Cell, five villages – Jagatpur, Jharoda Majara, Mukundpur, Badarpur Khadar and Chauhan Patti were adopted. Subsequently, work under another important initiative called the Unnat Bharat Abhiyan of the Ministry of MHRD was also initiated in the five villages. Need based engagements in a "process" mode were continued in each of these villages by teams of students and faculty. These included initiatives for the augmentation of the basic infrastructure related to transport, water, sanitation and health. Community participation based work towards addressing the problems relating to lack of sanitation and waste management were specifically undertaken under the Swatchh Bharat Abhiyan. Community awareness on hygiene and sanitation was created and consolidated through endeavors with children, youth, women and the general population. Emphasis was on community participation in monitoring the cleaning of streets and drains, and spraying and fogging in collaboration with the MCD, as also on the dissemination of information with regard to prevention of dengue through the conduction of rallies, interactive sessions and distribution of pamphlets. Installation of dustbins, segregation of degradable and non-degradable waste, regular sweeping and cleaning of the drains in the villages has been undertaken.

Work on the provision of sustainable health services continued, using the forum of Mohalla Clinics and mobile van was continued. Health Camps, with excellent community mobilisation and participation were held in each of the villages through networking with local health providers. Medicines were also disbursed. Community residents have been encouraged to access the governmental schemes available for diverse sections of society. On popular demand, Mehendi training programmes were organised for young girls and women in all villages, and these registered immense participation. In undertaking all of these initiatives, the University is truly emerging as a *University beyond Classrooms* and one that is in touch with the critical realities of society.

QUALITY INITIATIVES

The University has initiated several quality initiatives for improving the quality of teaching and learning at the University. As a part of Internal Quality Assurance Cell of University of Delhi, Quality Improvement activities have been organised on a regular basis by each Department/Centre for Quality Enhancement.

Students' Experience Survey

The University has started taking classified feedback from the post graduate students through an innovative Students' Experience Survey conducted on an annual basis. This captures the complete academic experience of the students and provides suggestive inputs to the departments to continually strive for higher performance in all domains. In a recent survey, the average rating for all responses (across all Departments/Centres) for 'Overall Academic Experience' is much above average, i.e. between Good and Very Good. In a recent survey, across all respondents, 90% of the students acknowledged that they would recommend the University to others.

Benchmarking Exercise

The Benchmarking Exercise of the University is also a unique attempt of the University to create a viable means of self-assessment by the departments on all criteria that are contemporarily relevant for an institution of higher learning against global benchmarks and standards. This exercise has been conducted on an annual basis and has an inbuilt mechanism for self-correction. The Benchmarking Exercise has helped in devising Quality Benchmarks as Assessment Criteria of quality initiatives by each Department in the following ways:

- To identify the gaps between the current parameters of the departments compared against the best performers.
- To identify standards and performances and providing a road map for continuous quality improvement.
- To improve processes that are critical to the growth of the University.
- To establish goals and identify additional avenues for improvement. The exercise will also create a better understanding of global practices.
- To promote quantum leaps in performance, fostering excellence and breakthrough thinking and innovation.
- To identify more effective ways of improving performance.

Handbook on Best Practices in Quality Teaching and Learning

A monograph is being developed on the Pedagogy of Higher Education by the Faculty of Education with the intent to build understanding about the nature of the learner, the teaching learning process and the use of meaningful and innovative strategies for curriculum transaction. It takes into cognizance learner diversity and the width and vastness of academic subjects and disciplines and is titled 'Striving for Excellence in Higher Education: Unfolding the Pedagogic Dimensions'.

Quality Enhancing Workshops

To institute a quality culture in the University, **workshops and events** are being organized by each Department/Centre for Quality Enhancement in various areas including Teaching and Learning, Research, Ethics, E-resources/Online Databases and Social Outreach.

SPORTS DISTINCTIONS

Five sportspersons from the University of Delhi were the part of the contingent of Indian Universities team for the 7th World University Shooting Sport Championship 2018 held at Kuala Lumpur (Malaysia) in March 2018:

Mr. Nishant Sindhu
Mr. Kismat Chopra
Ms. Sarveshwari Kumari
Ms. Ananya Chopra
Ms. Soumya Gupta

The medalist:

Mr. Nishant Sindhu won Gold Medal in 10 Mtrs. Air Pistol Team (Men).

Seven students from the University of Delhi were the part of the contingent of Indian Universities for the 29th World University Games-2017 held at Taipei (Chines Taipei) in August 2017:

Mr. Kamal Sagar (Archery)
Mr. Amoj Jacob (Athletics)
Ms. Kanika Kanwal (Badminton)
Ms. Riya Mukherjee (Badminton)
Ms. Pinky Balhara (Judo)
Mr. Sourya Pratap Rathi (Taekwondo)
Ms. Himani Mor (Tennis)

Dr. Anil Kumar Kalkal, Director, Physical Education DUSC accompanied the above Contingent of Indian Universities as Head of Delegation for 29th World University Games 2017.

Seventy students from the University won Gold Medal/s in North Zone and All India Inter-University Tournament (men & women) in Chess (men & women), Yoga (women), Shooting (men & women) Judo (women), Athletic (men) Taekwondo (women), Archery (men & women), Wrestling (men), Aquatics (men & women), Basketball (Women), Table Tennis (women).

Fifty Four students from the University won Silver Medal/s in North Zone and All India Inter-University Tournament in Aquatics (men & women), Archery (men & women), Chess (men), Squash (women), Shooting (men & women), Judo (women), Power Lifting (men), Cycling (women), Table Tennis (men), Tennis (women).

Ninety Two students from University of Delhi won Bronze Medal/s in North Zone and All India Inter-University Tournament in Wrestling (men), Squash (men), Baseball (women), Badminton (men & women), Table Tennis (men), Netball (women), Shooting (men & women), Judo (women), Boxing (men), Best Physique (men), Cycling (women), Gymnastic (women), Yoga (women), Fencing (men & women), Archery (men), Wrestling (Greco Roman), Aquatics (men & women),. (Annexure-IV)

Team Championship in All India Inter University Tournament 2017-18

In Aquatics (men & women), Archery (men) Shooting (men), Chess (women) and Yoga (women) University team won Gold Medal in Overall Championship in All India Inter University Championship 2017-18.

In Shooting (men & women), Aquatics (men & women), Archery (men & women), Chess (men) and Squash (women) University team won Silver Medal in Overall Championship in All India Inter University Championship 2017-18.

In Aquatics (men), Baseball (women), Fencing (men & women), Netball (women), Shooting (men), Squash (men), Table Tennis (men) and Badminton (men) University team won Bronze Medal in Overall Championship in All India Inter University Championship 2017-18.

GENERAL FACILITIES AND PROGRAMMES

ALUMNI AFFAIRS

In a year of consolidation, charismatic attainments, pioneering Firsts and trendsetting manifests, placed at Global Alumni Ranking 21 out of 4300 HE institutions globally by QS World University Ranking 2018 Edition London, our Alumni continue to attain national and international eminence. The parent University of Delhi Alumni enhanced Mentor – Donor – Partner links in pursuance of its avowed banner – mast “Towards a Meaningful, Fulfilling DU – Alumni Dynamic” continued to be steered by Professor Sydney R Rebeiro Adviser / Dean Alumni Affairs University of Delhi .

The year began on a memorable high with Percipience: Eminent Alumni Lecture Series Lecture 2 by alumnus Supreme Court Judge The Hon’ble Dr Arjan K Sikri on “Fundamental Duties under the Constitution of India – Forgotten Virtues? ” 21 April 2017 before a packed assembly of academicians, students and select alumni in The Viceregal Lodge .

To mark DU Foundation Days 01 May 2017 / 2018 Vice Chancellor Professor Yogesh K Tyagi felicitated eminent alumni Dr Karan Singh Padma Vibhushan , Mr Justice Sanjay K Kaul Judge Supreme Court of India, media – scholar Dr Swapan Dasgupta, Member Rajya Sabha, India’s premier TV journalist Rajat Sharma, Sr Advocate Mukul Rohatgi AG of India 2014 – 2017 (a 4 – generation DU alumni family of High Achievers) , CBI Chief Alok Verma and Dr T K Mishra Addl PS to The Prime Minister .

The first – of – its – kind Alumni Authors Library designed by Professor Sydney R Rebeiro , has grown and now counts autographed editions of books by High Achiever alumni such as Dr Kapila Vastsyayan Padma Vibhushan, Amitabh Bachchan Padma Vibhushan, Dr Karan Singh Padma Vibhushan and ex CEC Mr Navin Chawla, Mr Gopalkrishna Gandhi (former Governor, intellectual and grandson of Mahatma Gandhi), Awarding authors Upamanyu Chatterjee IAS, Amitav Ghosh and Dr Ramachandra Guha.

Eminent alumni in full regalia were in the Academic Procession at Convocation 94: 18.11.2017 where The Hon’ble President of India Mr Ram Nath Kovind (also DU’s Visitor) was chief guest. This included The Hon’ble Ms Justice Gita Mittal Acting Chief Justice High Court of Delhi and now Chief Justice High Court of Jammu and Kashmir, renowned artist Anjolie Ela Menon, classical danseuse Shovana Narayan, Anjali and Mr Tejender Mohan Bhasin CMD Indian Bank and now Vigilance Commissioner of India, Chancellor Dr. Ashok Chitkara of Chitkara University/ies, Vice Chancellor Dr. M Aslam Parvaiz MANUU Hyderabad, longtime CMD Maruti Udyog Mr Jagdish Khattar, eminent publisher Mr R P Jain MD of the 114-year-old publishing house Motilal Banarsidass, with Principal/Director Ms Aditi Mishra DPS Gurgaon/ International and former President ELSA.

Consequent to our sustained ReachOut endeavours, the steady stream of Alumni donations has gathered further momentum this session. Among our Alumni-donated Awards are The Principal Dr I P Mittal Scholarships of R 10 lakh donated by his wife Dr Ms Ved Mittal and his daughters Chief Justice Ms Gita Mittal and medical scientist Dr Vandana Roy, The Justice Awadh Behari Rohtagi Gold Medal donated by his son Sr Advocate Mukul Rohtagi, and The Kotu Ram Adlakha Alumni project donation of R 2-5 lakh.

Jurisprudential History was made with the elevation of Ms Indu Malhotra as the first lady lawyer to be directly appointed Judge Supreme Court of India and of Justice Gita Mittal as the first Lady Chief Justice of The High Court of Jammu and Kashmir. Our alumni, thus, constitute 9 of the total 27 Judges in Supreme Court of India, a record setting 33 per cent.

These distinguished alumni are The Hon’ble Chief Justice of India Ranjan Gogoi and Their Lordships Justice Madan B Lokur , Justice Dr Arjan K Sikri , Justice R F Nariman , Justice Dr D Y Chandrachud , Justice Sanjay K Kaul , Justice Deepak Gupta , Justice Navin Sinha and Justice Indu Malhotra .

The DU Alumni Roll of Honour continues at the High Courts of the Nation .

We count among our alumni Hon’ble Chief Justices Ms Gita Mittal High Court of Jammu and Kashmir 2018 , Mr Hrishikesh Roy High Court of Kerala, Mr Satish Kumar Agnihotri High Court of Sikkim , Ms Meenakshi Madan Rai High Court of Sikkim , Mr Tinliangthang Vaiphei High Court of Tripura , Mr Pradeep Nandrajog High Court of Rajasthan, Mr Ajay Kumar Mittal High Court of Punjab and Haryana and Mr Ajay Kumar Tripathi High Court of Chhattisgarh .

In the field of International Diplomacy, Foreign Secretary Dr S Jaishankar 2015 – 2018 and, currently, Vijay Keshav Gokhale IFS lead a brilliant global diaspora of Diplomacy with as many as 39 India Ambassadors across 5 continents 2018 .

Alumna Anu Kumari stood second in the All – India UPSC Civil Service Merit List 2018 while alumni Mohit Gupta , Aditya Mittal and Prashant Hirwani scored the first 3 positions in CA Examinations 2017.

Sportspersons Manika Batra won Two Gold Medals, One Silver and One Bronze in Table Tennis CWG 2018 and Apurvi Chandela hit a XXI Commonwealth Games CWG Bronze Medal 2018 .

Our network of Alumni Core Coordinators (Faculty) and Alumni Representatives has greatly expanded and covers over 110 Departments, Colleges, SOL and NCWEB.

Our DU Alumni Global Database has crossed 46000 names from multiple sources with the Very Eminent Alumni Short List at a significant 500.

Have served over 3000 Alumni-in-Need from 27 nations and have enhanced our counselling - guidance services to young and “midstream” alumni in the year under review.

DELHI UNIVERSITY COMMUNITY RADIO

Programmes were recorded/broadcast about free legal aid to poor by DLSA. An interview based programme was recorded/broadcast of representative of China Radio. Poetry Darbar in Hindi was also recorded. An Audio Link has also been established between DUCR and Miranda House, Hansraj College, Ramanujam College Indraprastha College for women. Few more colleges are also interested in establishing the link.

Volunteers of DUCR recorded a programme ‘Jashn-e-Azadi’ on the occasion of Independence Day. Students of DCAC College recorded and special programme were broadcast paying tribute to teachers on Teachers Day. Further, Election Commission requested DUCR to broadcast awareness jingle regarding voters list. The jingle was played twice daily for about a fortnight. Maulana Azad Medical College requested for broadcast message of ill-effects of Tobacco. Two messages were recorded by our volunteers and broadcast twice daily during the period of ‘No Tobacco Day’ Campaign. Students of CIC have started a series of radio discussions on GST. First episode was successfully recorded and broadcast from DUCR.

Students and Volunteers of Dept. of Urdu are continuing to make programme for Bazm-e-Urdu. Nearly 16 episodes have been recorded and broadcast. DUCR has produced 8 episodes for Ministry of Skill Development to create awareness amongst local community through Community Radio and has promoted the training programmes of furniture development & mechanical skills. For the last three months we are not able to broadcast any programme as the transmitter is out of order due to old age. DUCR needs complete renovation.

DELHI UNIVERSITY LIBRARY SYSTEM

Major Activities and Achievements

Delhi University Library System has taken several measures to revamp the Library and information services provided through its 34 constituent libraries, in keeping with the newly revised Ordinance XVI. A brief listing is given below.

Print Resources: The Library System added 15827 volumes of books to its collection. The total collections on as on 31 March 2018 are 1679099 volumes. The current Periodicals Subscribed by DULS is 947.

Electronic Resources: The DULS continued to strengthen the accessibility of electronic resources to the users. There are 48 electronic databases in different subjects and disciplines that are available to the user community of the University. These are as follows: ABI/INFORM Complete; Academic Search Premier; American Geophysical Union Journal; American Phytopathological Society; American Society for Microbiologist; Anthrosource; Britanica Online; Business Source Premier; Capitalism, Nature, Socialism; Capitalline Plus; CLA Plus; Credo (Formerly Xreferplus); Economic Literature; e-Jurix; Emerald Management Extra; Encyclopedia of Cyber Crime; Encyclopedia of Law Enforcement; Eikon; Economic and Political Weekly; India Time Series; Georef with Geo Science World; House of Commons British Parliamentary Papers; Humanities International Complete; India stats; Indianjournals.com; ISI Emerging Market – CEIC Asia; Legal Pundits; Lexis Nexis; LISA; LNCS; Making of Modern Law; Manupatra; Nature Publishing; New Palgrave Dictionary of Economics; New York Review of Books; Omnifile Full Text; Oxford Dictionary of National Biography online; Grove Art Online; PROWESS; Sage Online;

Science Direct; Scopus; Soc Index with Full text; Statesmen's Yearbook; Proquest Dissertation and Theses Full Text Database; Westlaw India; World Bank e- Library; WTO e-library; SSC Online; Science Online

Audio Book Resources and Braille Library

The Braille Library is actively engaged in supporting teaching, learning and research for visually impaired students and faculty members. It has 3 audio book production studios, 2 high capacity Braille embossers, network of 22 latest computers with software like Daisy System, Sparsha, OBI, PUTTY, Sigtuna, Jaw, Duxbury, Leap Office etc. There are 1820 audio books, 1928 Braille books, 1734 e-text and 401 books in E-Publishing format etc. The entire collection of audio books and e-text has been made available online and is accessible via ID and password at <http://bl.du.ac.in>. The library is regularly used by visually impaired students enrolled in the University. Presently 227 members are enrolled in the library. The website of Braille Library has large number of hits for downloading accessible materials and has circulated 2784 books on CDs. Braille Library is also a member of Sugamya Pustakalya under which the user can download the study material in the form of Audio Books or E-text at remote access.

User Services

DULS-Website: DULS-Website which includes the catalogue of selected libraries(OPAC);a provision of e-referencing, A-Z list of E-journals, Online Information Literacy Tutorial, Subject Portal, Ask your Librarian, access to electronic resources including open access resources and several other user friendly features, is in operation. Till date the website has been viewed by 684315 users.

Digital Library: The Library has digitized 14386 books out of copyright zone available in DULS and have been placed on the web for global internet accessibility using the Open Source Content Management System, namely, 'D-space'. The URL is <http://library.du.ac.in/dspace>.

Information Literacy Programme: DULS has initiated and regularly conducting Information Literacy Program since 2006 and organised a total of 163 Information Literacy programs in various departments and colleges of University of Delhi including 133 E-Resource Orientation programs, 15 Hands on Training Sessions, 15 One Day Workshops for Research Scholars in Social Sciences. In the current year DULS has conducted 15 Information Literacy Programs in Departments/Colleges and in Conference Centre. 555 students including P.G., Research Scholar & faculty members have attended the program.

Similarity Detection: The Central Library has been assigned the work of similarity detection for the research assignment submitted by students. Central Library has started similarity detection since December 2015 and a total of 3033 Ph.D Thesis and M.Phil Dissertations, and other research assignments have been verified.

Document Delivery Service: The J-Gate @UGC Infonet provides article-level access for all the databases subscribed by the UGC-INFONET Digital Library consortium, about 5,200 open access electronic journals, and print journals subscribed by 30 University libraries designed as Inter-Library Loan (ILL) Centers of the INFLIBNET Centre. The interface provides hyper link to articles that are available electronically and accessible in a given University so that a user can access and download articles. For articles from journals that are not available electronically or are not accessible in a given University, the interface facilitates semi-automatic generation of ILL request directly from user(s) to the INFLIBNET Centre or to one of the ILL Centre as the case may be. DULS is one of the 30 designated ILL Centers for the services.

Advantages of J-Gate@UGCInfonet include: Provides single window search option for all electronic databases and access to several journal articles which are made available online by 13,290 Publishers; Provides access to massive database of journal literature, indexed from 45,339 e-journals with links to full text at publisher sites; Provides access to about 23,410 open access e-journals in full text, having over 9,425,618 open access articles.

Availability of photocopies of print journal articles not available in DULS through Document delivery service.Utilize the Document delivery service by requesting other designated Universities to provide copy of the print journal articles.As a designated ILL Centre of J-Gate@UGCInfonet, DULS is also shouldering many responsibilities. In lieu of electronic databases available through UGC INFONET Digital Library Consortium, worth about INR 1,00,000, DULS shoulders the responsibility of supplying photocopies of the articles requested through J-Gate@UGCInfonet to the scholars throughout India. DULS being a large organization, having large collection of print and electronic information content mostly serves the information requirements of its users. Hence, there are very less requests for photocopies of the articles from DULS users to other Universities. However, as an ILL Centre, DULS is regularly supplying the photocopies of articles.

Human Resources: The training facility created in the Central Library for imparting training on 'Use of Computers in Libraries' has been conducting the training programme for the benefit of Library Staff of the University and College Libraries with the help of the resource Persons from DU Computer Centre.

Summer Internship: DULS continued to engage students of Master's Programme in the Library & Information Science as summer interns @ Rs. 7,500/- per month. 13 students have been given training in various Libraries during the period.

Seminars / Conferences / Workshops/ Exhibition

Dr. Dharmveer Singh (University Librarian)

Attended three days National workshop entitled "VIVO Faculty Profile Management System and Discovery" organized by INFLIBNET, Inter-University Centre of UGC, Gandhinagar (Gujarat) by V.C.'s Nominee on 16-18 August 2017.

Coordinated the collaboration of NASSCOM Foundation with Indian Public Libraries Conference, at India Habitat Centre, New Delhi on 03-05 October 2017

Attended 63rd All India Library Conference of Indian Library Association, at Babasahed Bhimrao Ambedkar University, Lucknow.

Delhi University Library System was awarded ILA-Dr. L.M. Padhya Best University Library Award 2017 on 23-25 November 2017

Chief Guest of the valedictory Function of the Workshop on "Preventive Conservation of Manuscript/Rare book materials" at M.K.S. Institute of Social Science and Research Library, Darbhanga (Bihar) on 05-09 February 2018.

Was invited as a Guest of Honour by Manipur University, Canchipur Imphal (Manipur) at the Inaugural Function of the Five-Day's Workshop on the theme "Preventive Conservation of Manuscripts/Rare Document's at Imphal on 20-24 February 2018

Was invited as a Chief Guest at the workshop on "Web Scale Discovery Service: A Critical Analysis" organised by the All Librarians Development Welfare association, Bhopal (MP) on 29 March 2018.

Dr. Narender Kumar (Deputy Librarian DULS)

Coordinated various Electronic Resources through DULS at Maharaja Agrasen College, University of Delhi on 20 April 2017

Exploration and effective use of open access resources and School libraries. Refresher Course for School Librarian on 6 July 2017.

ICT Application in School Libraries. Refresher Course for school Librarian on 6 July 2017.

Five Laws in digital environment. Ranganathan's Birth celebration on 12 August 2017.

Electronic resources @ DULS for East Asian Studies Department of East Asian studies, University of Delhi on 11 September 2017.

Plagiarism: How to Avoid it: Chicago Manual of Style. Department of East Asian Studies, University of Delhi on 11 September 2017.

Issues in subscription of electronic resources: An experience, DESIDOC Workshop on 12 September 2017.

Google vs. Libraries. CCRT, Dwarka on 10 January 2018.

Searching techniques. Department of Sanskrit, University of Delhi on 27 February 2018.

Dr. Tariq Ashraf (Deputy Librarian SDCL)

Delivered invited talks at AMU, Academic Staff College, during Subject Refresher Course in Library & Information Science held during 22-23 September 2017

Acted as a Panelist on topic "Quality of Research" at Doordarshan on 18 October 2017

Conducted a Training Session at Acharya Narendra Dev College, University of Delhi maximizing Usage of E-Resources for Research" during November, 2017.

Delivered an invited talk entitled 'Leveraging Libraries for E-Governance' on 18 January 2018 during a two day conference "Transforming Public Libraries in India: Opportunities and Challenges in Digitizing and Delivering Information, Content and services: organized by Indian Public Library Movement (IPLM) and

Digital Empowerment Foundation (DEF) in collaboration with the government of Telangana held at MANUU, Hyderabad.

Delivered an invited talk entitled “Future of Academic Libraries: Need for Repositioning and Innovation” at Bennett University, Greater Noida on 22 February 2018 during ETTLS 2018.

Delivered an invited talk “Managing, Measuring and Maximizing Research: The Emerging Matrix” at Aggarwal College, Ballabgarh during International Conference on “Information Communication in Digital Era: Present Scenario and Future Perspectives (ICICDEPSFP-2018) on 25 February 2018.

Delivered and invited talk “Plagiarism: Issues & Strategies” at JK Business School on 30 March 2018.

Dr. Rajesh Singh (Deputy Librarian)

Delivered a lecture entitled “Major Open Access Academic Electronic Information Resources” as a resource person on 5 September 2017 in the Orientation Programme (OR-89) held from 24 August to 21 September 2017 organized by Centre for Professional Development in Higher Education (CPDHE) University of Delhi, Delhi.

Delivered a lecture entitled “Research Metrics: Impact Factor and h-Index” as a resource person on 27 November 2017 in the Orientation Programme (OR-91) held from 21 November 2017 to 19 December 2017, organized by Centre For Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.

Publications

Ashraf, T. (Ed.) (2017). *Interdisciplinary digital preservation tools and technologies*. New York: Information Science Reference @ 2017.

Ashraf, T. (Co-Ed.) (2017). *From print to electronic: managing libraries in neo information environment*. New Delhi: Synergy Books Pvt Ltd.

Ashraf, T. (Co-Ed.) (2018). *Expanding digital footprints: role of libraries & information centre*. New Delhi: Asian Library Association.

Ashraf, T. (2018). Equality, inclusion and empowerment through E-Governance: Leveraging and repositioning libraries. *University News*, 56(06), 1-11.

Kumar, N. (2017). Usage of electronic resources at University of Delhi: A case study. *Collection Building*, 36(3), 96-107.

Singh, R. (2017). An overview of scholarly open access e-resources in medicine and health sciences. *Library Herald*, 55(3), 405-416.

Singh, R. (Co-Ed.) (2017). *Cracking UGC NET in library & information science*. New Delhi: Navshila Prakashan. ISBN 978-93-80169-92-7.

Singh, R. (Ed.) (2017). *Internet sansadhaan evam pustakalay (Hindi)*. New Delhi: Today and Tomorrow's Printers and Publishers. ISBN 81-7019-571-X.

Activities in Other Major Libraries

Central Library (Including the Arts Library):

The Central Library (including the Arts Library) has been able to add a collection of 5986 volumes in the last financial year with a membership of 3837 users and the circulation of 52000 books. 26000 books in Urdu and 3000 books in Braille library have been computerized. The library has been providing Plagiarism Checking Services to its students and teachers. A dedicated desk has been established with trained staff to check research work and generate similarity reports. To search an item available in the Library, four computers have to log on to OPAC installed on ground floor of the Library. The Internet access facility provided for exclusive use to research scholars at Research Floor in the Central Library is being utilized regularly by an average number of 25-30 scholars per day. The Library is subscribing 267 Periodicals in print format. The Library sent 435 documents on loan to other University and received 163 documents from other organization as Inter Library Loan. The total collection of thesis and dissertation in Central Library is 37689. Approximately 2800 thesis and dissertations are consulted during the year. A number of visitors from Universities in different places like Agra, Banaras, Allahabad, Rohtak, Mahendergarh, Kerala, Karnatak, and Mumbai etc. visited the Library.

Central Science Library:

The Central Science Library has been able to add a collection of 1212 volumes in the last financial year with a membership of 2859 users and the circulation of 68000 books. The library has excellent setup of IT infrastructure for various IT related services. The subscriptions to electronic resources, downloading of articles etc., Live online demonstration to the users, Sending attachments to e-articles etc., Article alert and retrieval of information on the basis of search techniques, E-mail alert to faculty members etc. on new information are also provided. The Library has been able to provide the services to users of all faculties from science, social sciences and humanities. The library received and sent a number of documents / articles to and from different libraries in the country through JCCC. A number of computers and electronic equipment have been added to augment the computerized services by including the laser printers, LCD Printer, Scanners etc. It also has Books on CD's and DVD's. The current periodicals subscription including print and online is 213.

Ratan Tata Library

Ratan Tata Library introduced 1459 volumes in the last financial year with a membership of about 2074. The RTL has augmented its computing facility and unique e-library with 105 terminals to access various resources and one High End server. The Library has also updated its website with more value additions. The orientation programme for various departments with special reference to e-resources has been taken up. The total periodicals subscription of RTL is 290 including print and online journals it also have approximately - 1500 thesis and dissertations in its collection. It also acts as a depositing of UN's and Govt. of India's publications.

South Delhi Campus

South Delhi Campus Library introduced 2498 volumes in the last financial year with a membership of 1519 users and the circulation of about 14467 books. The total collection of Library approx. 2lakhs consisting of books, bound journals and CD-ROMs. The CDs received with books may be accessed through the CD server. Subscription to nearly 173 print journals, 15450 back volumes of periodicals and is fully computerized. All library services are fully automated and are leveraged through extensive ICT based applications. Library activities like circulation-Issue-return, reminder, membership, Acquisition-ordering and billing, Serial Control, OPAC takes place in a fully automated environment using Troodon Library Management system. The entire library is covered by CCTVs both for security and monitoring purposes. The Library has an e-resource centre, placed extensive signage across the library, completed the bar coding of books and organised the orientation programme. The Library has CD-ROM, Supplementary Reading materials and previous years question papers in its digital collection.

Faculty of Music and Fine Arts Library:

The Library of Music and Fine Arts has a total collection of 16353 books with a membership of 283 users. A large number of visitors from outside Universities also visited the library. In its digital collection it has 2643 cassettes, 1143 CD's 104 Talking Books beside 305 Braille Books. As an extension of Audio Visual Library it has a Listening Room with 10 CD players where students can listen to the audio material.

Law Faculty Library:

The Law Faculty Library is one of the major Libraries in DULS which caters the need of Law students. It has a membership of 1324 users and able to add 678 books in its collection the total member of bound periodicals are 55055. It has 32 computers for providing computerized services

DELHI UNIVERSITY SOCIAL CENTRE CO-ED SCHOOL

Delhi University Social Centre Co-ed Secondary School is becoming one of the known schools in the nearby area. It is situated in midst of residential area of Block – C, Maurice Nagar, Delhi – 07. A small group of voluntary women organization had started the school in the year 1945. In fact they had a humble beginning at the behest of Sir Maurice Gwyer in pre independent INDIA. Since 1964 the school gets 95% aid from Delhi Govt. and 5% from Delhi University. The Delhi University was provided with a modern building for the school during the period of Vice Chancellor Prof. Moonis Raza from its own funds maintained by Engineering Department of DU. the DU every year also grant in additional aid of 10-12 lacs for contractual staffs and infrastructure facilities. The DU has also allotted us the Prof Quarter C-4 adjacent

to the school. Few primary classes have been shifted in that building. We were able to start a Nursery section in that building which is quite popular. The school was upgraded from 8th to 10th standard in 2003.

The Managing Committee of school consists of 13 persons: 6 professors nominated by Delhi University, 1 Executive Council member, 2 nominated by Delhi Govt., 3 from school & 1 from Parent Teachers Association. The School Staff consist HOS along with 6 TGT, 6 Asst. Teachers, 1 Yoga Teacher, 1 PET teacher, 1 Drawing Teacher 1 peon, 1 Chowkidar and on Contract: 1 Office asstt., 1 Library teacher, 2 Nursery Teacher, 1 Nursery Aaya, 1 I.T. assistant, 1 Computer teacher and 2 Safai Karamcharies (Contract or daily wages basis).

Academic and Co-curricular Activities

The school has strength of around 600 students. We are happy that it is shaping as a good school in the Area. The result of class Xth was 65% whereas the overall pass percentage of Delhi was 70%. It shows that the school is moving on the path of success with full vigor which is evident from the class Xth CBSE result. Therein every student has passed flying marks. Even no student got less than 'D' Grade. It's a good achievement. Therefore enrollment of students is continuously increasing for the last 5 years but due to shortage of space we cannot accommodate more students. We have requested the University for Additional building which is in the progress.

Following functions were celebrated during the session 2015-16: Earth Science Week in month of April, Independence Day, Annual Day, Children's Day, Red Cross Day, Sanvidhan diwas from 26 November - 25 January, Republic Day, Bhagat Singh Martyr's Day on 23.03.2017.

Major Highlights

Parents were also given counseling for motivating them to send their ward to school regularly and the improving their role in the education of their children.

Our school is a co-ed school with students in the age group of 10 – 15 years, guidance and counseling workshop were arranged with the help of Dept. of Social Work, Delhi University for the girl child.

The school had conducted a mock drill to create an awareness of natural disaster like earthquake among students.

Our school had organised a seminar on "Legal Literacy" on 'Legal Literacy Day'.

Students also participated in Gandhi ji Martyr's day at "Gandhi Bhavan".

The school participates in 'Flower Show' of Delhi University and received couple of prizes.

The school also participates in various activities of Directorate of Education and other education organization like Sports, Yoga, Drawing, and Debate competition etc. Students are taken for excursion. They also participated in various inter- school activities i.e. sports, yoga, debate & drawing etc. and won National Prizes (Taekwondo) also. Students were actively participated in the Zonal Competition.

DELHI UNIVERSITY SPORTS COUNCIL

Major Activities and Achievements

In the chairmanship of Prof. C.S. Dubey, Delhi University Sports Council (DUSC), Delhi University Inter College competitions were conducted in 57 Games/Sports for men & women category followed by selection trials and coaching camps of University teams for North Zone and All India Inter-University Tournament for men & women category. University participated in 64 Games/Sports in North Zone and All India Inter-University (men & women) Tournament organised by Association of Indian Universities. A total of 685 students (men & women) represented the University in North Zone and All India Inter-University Tournaments for the year 2017-18.

Honors/Distinctions

Five (5) students of the University were part of the contingent of Indian Universities team for the 7th World University Shooting Sport Championship 2018 held at Kuala Lumpur (Malaysia) in March 2018. The names are:

Mr. Nishant Sindhu, Mr. Kismat Chopra, Ms. Sarveshwari Kumari, Ms. Ananya Chopra and Ms. Soumya Gupta

Mr. Nishant Sindhu won Gold Medal in 10 Mtrs. Air Pistol Team (Men).

Seven (7) students of the University namely, Mr. Kamal Sagar (Archery), Mr. Amoj Jacob (Athletics), Ms. Kanika Kanwal (Badminton), Ms. Riya Mukherjee (Badminton), Ms. Pinky Balhara (Judo), Mr. Sourya Pratap Rathi (Taekwondo) and Ms. Himani Mor (Tennis) were the part of the contingent of Indian Universities for the 29th World University Games-2017 held at Taipei (Chines Taipei) in August 2017. Dr. Anil Kumar Kalkal, Director, Physical Education DUSC accompanied the above Contingent of Indian Universities as Head of Delegation for 29th World University Games 2017.

Seventy (70) students won Gold Medal/s in North Zone and All India Inter-University Tournament (men & women) in Chess (men & women), Yoga (women), Shooting (men & women), Judo (women), Athletic (men), Taekwondo (women), Archery (men & women), Wrestling (men), Aquatics (men & women), Basketball (Women), Table Tennis (women). Fifty Four (54) students won Silver Medal/s in North Zone and All India Inter-University Tournament in Aquatics (men & women), Archery (men & women), Chess (men), Squash (women), Shooting (men & women), Judo (women), Power Lifting (men), Cycling (women), Table Tennis (men), Tennis (women). Ninety Two (92) students won Bronze Medal/s in North Zone and All India Inter-University Tournament in Wrestling (men), Squash (men), Baseball (women), Badminton (men & women), Table Tennis (men), Netball (women), Shooting (men & women), Judo (women), Boxing (men), Best Physique (men), Cycling (women), Gymnastic (women), Yoga (women), Fencing (men & women), Archery (men), Wrestling (Greco Roman), Aquatics (men & women).

Team Championship in All India Inter University Tournament 2017-18

In Aquatics (men & women), Archery (men) Shooting (men), Chess (women) and Yoga (women) University team won Gold Medal in Overall Championship in All India Inter University Championship 2017-18.

In Shooting (men & women), Aquatics (men & women), Archery (men & women), Chess (men) and Squash (women) University team won Silver Medal in Overall Championship in All India Inter University Championship 2017-18.

In Aquatics (men), Baseball (women), Fencing (men & women), Netball (women), Shooting (men), Squash (men), Table Tennis (men) and Badminton (men) University team won Bronze Medal in Overall Championship in All India Inter University Championship 2017-18.

DELHI UNIVERSITY WOMEN'S ASSOCIATION

Major Activities and Achievements

Delhi University Women's Association (DUWA) is a social welfare organization and was registered under the societies Registration Act XXI of 1860 (Punjab Amendment Act 1957) as extended to the Union Territory of Delhi, on 31st October, 1964, with the aim to promote and to carry on social, cultural, recreational, educational and economic activities for the benefits of the women in and around Delhi University. DUWA was started by Dr. Durgabai Deshmukh, a social activist, a great visionary and wife of the then Vice Chancellor Prof. C.D. Deshmukh with the vision of empowering deprived and under privileged women.

Facilities

Play Schools: DUWA runs two pre-schools, Durgabai Deshmukh Balwadi and Usha Ganguly Sishu Vihar established in 1966 and 1967 respectively, to promote intellectual, emotional, social, esthetic and physical development of a child. The Balwadi is meant for the children from economically weaker sections where they are given free nutrition.

Sahyog: This programme helps school students of standard I to XII from the neighborhoods with the objective of improving their academic performances. In this tuition support programme, the children are served nutritious snacks and health drinks. Classes are held six days a week from 3 pm to 5pm with nominal charge of Rs. 25/- month.

Vaatsalya: The Vaatsalya was inaugurated in 14th November, 2008 by Prof. Deepak Pental. This is a child care programme runs 6 days a week from 8.30 am to 6.30 pm. This child care programme is meant to support the working mothers of University of Delhi. This facility is for age group 6 months to 6 year old

children and has accommodation for 55 children.

Women's Hostel: The DUWA established the working women hostel Sri Sadan to commemorate the international Women's year in 1975, for the benefit of single women teacher of Delhi University and affiliated colleges. The other two hostel i.e. Old DUWA Hostel and New DUWA hostel provide accommodation to the M.Phil and Ph.D. students of Delhi University. In Sri Sadan, 12 rooms single seated and old & new DUWA hostel, 25 seats; double seated.

Mind Body Centre: The Mind Body Centre was inaugurated on February 13, 2014 by Prof. Dinesh, Ex-Vice Chancellor, University of Delhi and Ms. Neelanjana Singh, Ex-President, DUWA. As problems of mind & body are interconnected, they need to be dealt in a holistic manner by the expertise of the naturopathy & detoxing, Homeopathy, Naturopathy, Yoga, Accupressure & Sujok Therapy. Promoting the wellness of the woman students & faculty of Delhi University is the prime objective of the centre.

Homeopathic Consultation: The idea is to provide the holistic treatment with no side effects. The registration fees is Rs. 100/- valid for a year and medicine cost is Rs. 30/-. The timings are 1 pm to 5 pm every day except Sunday.

Psychological Counselling: To provide individual counseling, family counseling, telephonic counseling email counseling. The objective of this facility is to provide a space for the female students and working women to help them cope with stress and other psychosocial issues. The registration fee is Rs.100/- valid for a year and Rs.10/- for every follow-up sessions. Timings: 10 a.m.-5 p.m.

Drishti: DUWA members have made significant contributions through Drishti Programme by addressing the needs of the visually challenged students of Delhi University. Members read out and record lessons, arranging study materials and provide emotional support to the visually challenged persons.

Jagriti: Recognizing the growing incidents of cancer among women this programme strives to spread awareness through organizing lectures, discussions, screening camps, street plays competitions and other activities among the students of Delhi University.

Souvenir Shop: The souvenir shop was launched in November 2014 to commemorate DUWA's Golden Jubilee Celebration which was inaugurated by Pro. Dinesh Singh, Vice-chancellor of Delhi University. The primary purpose of this activity is to promote the DU brand and to simultaneously inculcate a sense of pride and belonging amongst the students and other members of the DU community. The design and sale of the souvenir items is being managed by DUWA members. There has been a great demand for the some souvenir items like folders, sweat shirts, bags, pens, key chains, mugs, etc.

Computer Literacy Programme: In this a four-month computer course which is conducted to impart the basic knowledge that includes MS-Word, Excel, PowerPoint, Access and Internet. The aim of this programme is to help girls to acquire basic computer skills.

Language familiarization Programme: DUWA is taking the initiative of conducting free short term language familiarization courses for DUWA members, DU staff, faculty and students. The programme started with a four-five months course of Chinese Language & German Language.

Library: DUWA also provide library facility for hostel residents and for all DUWA Members and recently we have computerized and updated library facility with easily accessible to all the members.

Garden & Environment Committee: DUWA also conducted several awareness programme and workshop about raising awareness amongst the students towards sustainable development, recycling of waste, green management etc.

Sports: DUWA also arranged sports events for the children of School, Sahyog and for all the members to make them active and healthy.

Community Services: Members of DUWA also conduct Workshops and Seminars about the awareness of many Social Problems in nearby areas.

Honours/Distinctions

DUWA Received Good Practice Award from University of Delhi on 22nd February 2015.

Main Activities of DUWA 2017-18

“Free Cancer Screening & Health Awareness Camp” with the help of NICPR (ICMR) organised at DUWA Premises on 7 April 2017. Prof. Pami Dua, Dean of Research council, Delhi University inaugurated the camp

World Environment Day was celebrated on 5 June 2017. Prof. J. M. Khurana, Pro Vice Chancellor graced the occasion and participated in Tree Plantation drive with children in DUWA premises.

International Yoga Day was celebrated on 21 June 2017 and Acharya Bal Gopal Kishan from Aayush Ministry spoke on “Yoga and its benefits”.

One day seminar was held on 22 September 2017. The topic of the seminar was “Triple Talaq and its effect”. The speakers were Ms. Rukhsana Choudhary, Ms. Seema Abid and Ms. Themichon.

DUWA Annual Summer camp was organised from 15 May 2018 to 15 June 2018. Seventy children participated in different activities of learning

Diwali Mela, Annual Day function of DDB & UGSV School, Republic day, International Women’s Day, World Environment Day, was celebrated with verve and gusto.

DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION

Major Activities and Achievements: Directorate of the Hindi Medium Implementation publishes high standard text books in Hindi, primarily on Social Sciences and Humanities for the benefit of under-graduate and post-graduate students who opt Hindi as the medium of instruction. Since its takeover by the University of Delhi in 1978, we have published approximately 220 books so far. During 2017-18, we received 6 new proposals, out of which 4 are ready to send for printing. These include:-Vyavsayik Sanchar, Bimavidhi avum vyavahaar, Vedaar Samkaleen Sandharbh and Rajneeti vigyan mein Shikshan vidhiyan

This year directorate took part in book exhibition organised by the Music Faculty, Delhi University and the New Delhi World Book Fair held at Pragati Maidan and had a record cash sale of Rs. 3,44,689/- in just nine days, the highest so far.

During 2017-18, the UGC has mandated various Central Universities all over India to establish Hindi Implementation Cells on the line of the DHMI to publish text books in Hindi/regional languages.

FOREIGN STUDENTS REGISTRY

The international student community continued to show its interest seeking admission to various programmes offered by the University of Delhi for the academic year 2017-2018. The office of foreign students received 4528 applications including 1144 applications of ICCR scholarship holders. In total 498 students, 231 females and 267 males were admitted to various programmes of the University of Delhi during the academic session 2017-2018. The University had on its role 1611 foreign nationals pursuing courses ranging from certificates courses to Ph.D. Programme. The office of Foreign Students Registry maintained close links with enrolled students, residential hostels, Embassies, Colleges, Departments and Institutions to ensure that international students did not face any problems pertaining to their academics. Many activities were also organised for students. The Orientation Programme was organised in November, 2017 for the students admitted during academic session 2017-2018.

Best Practises of Foreign Students’ Registry:

- Inter-Linkage with ICCR & MoEA: Informing candidates residing in other countries &
- facilitating selected students.
- Disseminating information : Disseminating Information based on the queries of foreign students
- through email and phone.
- Offering Integrated Services: Guide them about Colleges/Departments/FRRO/Hostel Admission/
- Facilities through Counselling.
- Launched New Website: The website contains various information regarding the process of
- admission. It also provides useful information to students to make their stay and study at the

- University of Delhi an enjoyable experience.
- Online Admission & Fee Collection: The admission process was streamlined through newly developed admission software and the collection of fees for all programmes is now undertaken online using an online software fee module.
- Transparency: The Data of enrolled students Year/College/Course/Country wise is shared online.
- Appointment of Nodal Officers : A Teacher has been designated as Nodal Officer for foreign Students for the benefit of foreign student already enrolled and those seeking admission in Colleges/ Departments.

Actions Taken by Foreign Students' Registry:

- Counseling of foreign students.
- Prepared list of Frequently Asked Questions and Guidelines.
- Meeting with Ambassadors for the benefit of foreign student already enrolled and those seeking admission in Colleges/ Departments.
- An Admission Committee is formed to supervise the complete admission process.
- The data of enrolled students is made available online on the Foreign Students Registry's website.

GANDHI BHAWAN

Gandhi Bhawan, University of Delhi is a centre dedicated to the study of words and works of Mohandas K. Gandhi, established on 24 July 1958. The main objective of the Gandhi Bhawan is to transmit the message of Gandhiji to the students of the University and arouse interest in his teachings. In the process of the realization of main and peripheral objectives, the University fraternity comprising of teachers, students and karamcharis, function through Gandhi Bhawan and Gandhi Study Circles in colleges as the spokesperson of Gandhian Thought and Philosophy. To realize these objectives, Gandhi Bhawan organizes various programs like Lecture Series/Special Talks/Seminars/Interactive sessions/Workshops, Book Reading, Awareness Programs, Film screening, Swachhta related events, Bhajan Sandhya, Debates, Nukkad Natak, Sports activities, Yoga-cum-Spirituality programs, and Visits to places of importance. Gandhi Bhawan has regular programs as Khaddi classes, Charkha Spinning classes, Free Legal Aid Clinic, Computer Classes for students to enhance their Hindi typing skills and Discourse on Gita. Gandhi Bhawan also conducts three months Certificate Courses in Charkha Spinning, Khaddi and Yoga and Meditation Training programme. Gandhi Bhawan celebrates Gandhi Jayanti and Observes Martyr's Day in addition to celebration and observance of various important days like Gandhi Jayanti, Matyrs' Day, Environment Day, Sushashan Divas, International Day of Yoga, etc.

Major Activities and Achievements:

On 1 April 2017, the H.E. Mr. Wen-je Ko, Mayor of Taipei City along with his delegates visited Gandhi Bhawan. The delegates also took interest in Charkha spinning and Khaddi.

On 10 April 2017, to commemorate the centenary year of Champaran Satyagraha, an Interactive Session on 'Understanding Gandhi' was organised. A documentary on Mahatma Gandhi was also screened. On the same day, in continuation of Swachata Abhiyaan at Delhi University a team of students, staff of Gandhi Bhawan with the Director, Gandhi Bhawan took Chhatra Marg and SOL road for cleaning.

On 12 April 2017, a Charkha-Lokgeet Pratiyogita was organised. In this competition, students represented various states including Punjab, Haryana, Delhi, Maharashtra, Bihar, Uttarakhand, etc. on theme 'Charkha' and sung lokgeet.

On 24 April 2017, a Special Talk on 'Gender Issues and the Law' by Mrs. Bulbul Das, Senior Advocate, Supreme Court of India. During the presentation the lawyer informed about various laws for women safety in India to the audience.

On 12 May 2017, a Special Talk was organised on 'Champaran Satyagraha aur Aaj ke yugmein Gandhiji ki prasangikta' by Shri Surendra Kumar, Former Secretary, Gandhi Peace Foundation, New Delhi.

On 9 June 2017, a special Yoga session was organised in collaboration with Ministry of Ayush, Government of India and Harijan Sevak Sangh, Kingsway Camp.

On 19 June 2017, in continuation of Swachhata Abhiyaan at Delhi University a team of students and staff of Gandhi Bhawan with Director, Gandhi Bhawan cleaned the premises including the Peace dome and library.

On 21 June 2017, the third International Yoga Day was celebrated in collaboration with the NSS Unit of Delhi University. On the same day, inauguration of three months Yoga Meditation Training Programme was launched a three months Yoga Meditation Training programme for the first time in Delhi University on 1 July 2017. Students from Pennsylvania University visited Gandhi Bhawan on 12 July 2017.

Geetabhasker Dr. M. L. Chawla, Principal Investigator (Retd.), Pusa, New Delhi delivered the special talk on 'Self-realization through Yoga' on 28 July 2017.

On 4 August 2017, the National Handloom Day in collaboration with the IIS, Ministry of Informational and Broadcasting, Govt. of India was celebrated. Many programmes including a quiz competition on handloom was also organised for the audience. On this occasion, Prof. Pami Dua, Dean Academic Activities and Projects, University of Delhi was the Chief Guest.

With an aim to promote Khadi and handloom products, an Exhibition-cum-Sale counter of Khadi and handloom products was set-up at Gandhi Bhawan from 8 – 11 August 2017 in collaboration with Khadi Ashram, Kamla Nagar, Delhi. A special discount of 10% was given to the customers. A competition on Charkha Katai was organised on 9 August 2017 at Gandhi Bhawan. Students participated in the competition with great zeal and enthusiasm. On 9 August 2017, Director, Gandhi Bhawan along with faculty, students, staff and general public at large took pledge on 'Sankalp se Siddhi' New India Movement (2017-2022).

Gandhi Bhawan organised various programmes to commemorate 75th year of 'Quit India Movement' and 70th year of India's Independence. Entries for Essay writing competition were sent to National Human Rights Commission, Govt. of India, New Delhi. The theme of the competition was 'Aatankvaad' organised by National Human Rights Commission, Govt. of India. On 15 August 2017, Independence Day was celebrated with full enthusiasm and patriotic spirit. Students, faculty and staff come together for a Heritage Walk to British era monuments – Flag staff tower, Choburza Masjid and other protected monuments at Kamla Nehru Ridge (North) on 26 August 2017.

A documentary on Mahatma Gandhi was screened on 29 August 2017 to propagate the ideology and philosophy of Mahatma Gandhi and his martyrdom for our nation.

Swachhata Pakhwada (1 - 15 September 2017): Gandhi Bhawan organised various programmes/events to spread awareness of and evoke sensitivity to virtues of sanitation and cleanliness to achieve the initiative of Swachh Bharat Abhiyaan. To achieve the stipulated objective, to start with, Director, Gandhi Bhawan along with students and staff cleaned its campus area – peace dome, library, store, overhead tanks, etc. Roadside vendors and general public were briefed about sanitation and cleanliness. Continuing with the programme, later on, surroundings of Gandhi Bhawan – Chhatra Marg, front and adjoining area of Gandhi Bhawan were cleaned. Officials of Municipal Corporation of Delhi (MCD) also joined the activity. Although the Swachhata Pakhwada was for 15 days but Gandhi Bhawan continued it till 2 October 2017. A Special Talk on 'Yog as Life Skill' by Dr. Shikha Gupta, Life Skills Trainer, Delhi University was delivered on 11 September 2017.

Gandhi Bhawan celebrated 'Hindi Divas' on 14 September 2017. On this day, Director, Gandhi Bhawan, interacted with the students to promote the use of Hindi in our day-to-day life.

On 25 September 2017, in continuation with the Swachh Bharat Abhiyaan programme, students along with staff of Gandhi Bhawan, in collaboration with Harijan Sevak Sangh, Kingsway Camp cleaned the roads, premises, parks, etc. at nearby Dhakka village. A logo making competition was organised with the theme – Gandhi Bhawan and its activities with explanation of idea behind the design, in the month of September 2017.

Gandhi Bhawan celebrated the Gandhi-Shastri Jayanti. Hon'ble Vice Chancellor, Prof. Yogesh Kumar Tyagi delivered the message of peace. The week-long event started from 27 September 2017 which includes Learning Charkha and Khaddi, Special Talks, Naturopathy consultancy/ interaction, free legal aid consultancy, demonstration of asanas, Walk to Bapukutir and Kasturba museum, etc. A half-day workshop on 'Benefits of Charkha Spinning' was organised on 6 October 2017. Resource persons, Shri Laxmi Dass, Executive Member, Gandhi Smriti and Darshan Samiti, Rajghat spoke on 'Charkha aur Chip.' Among others, Dr. Sita Bimbrahw, former faculty, Kamla Nehru College and Mrs. Shaswati Jhalani of Gandhi Smriti and Darshan Samiti participated in the programme.

Inauguration of Charkha spinning Certificate Course was held on 11 October 2017. This 24-hour/ three months course is being conducted in collaboration with Gandhi Smriti and Darshan Samiti, Rajghat, New

Delhi. On 26 October 2017, a special talk on 'Power and Science of Yog in Life' was delivered by Dr. Shikha Gupta, Life Skills Trainer, Delhi University. Students from Gandhi Bhawan visited Gandhi Darshan and Gandhi Museum, Rajghat on 27 September 2017 to see the virtual life of Mahatma Gandhi and his philosophy.

A documentary on the Iron Man – Sardar Vallabhbhai Patel 'Life and Time of Sardar Vallabhbhai Patel' by Doordarshan News was screened to commemorate his birth anniversary on 31 October 2017.

A Special Talk on 'Importance of Meditation in Buddhism' was delivered by Dr. Lee Chi-Ran, WFB HQ, WBUEx Co. Member World Buddhist Network, Korea on 13 November 2017. Gandhi Bhawan organised various events to observe The Constitution Day. A book reading session on the excerpts from the book 'Hindi Swaraj' by Mohandas Karamchand Gandhi was organised. Two chapters 'Machine' and 'Swarajkyahai' was taken up for reading.

A workshop on 'Revisiting Gandhi' was organised on 5 December 2017. The speakers - Shri Rajiv Vora, Chairman, Swarajpeeth, Gurugram, delivered a talk on 'Gandhi's Questions', Dr. Gajendra Singh, Department of African Studies, University of Delhi spoke on 'Gandhi in South Africa' and Shri Lajpat Rai, Satyawati College, University of Delhi presented a talk on 'Revisiting Gandhi-Tagore Debate.' An interactive session was organised for the participants of a three-day conference organised by the Gandhi Smriti, Rajghat at Dharamshala, Himachal Pradesh on 13 December 2017.

A Special Talk was delivered by Dr. Santosh Jain Passi, former Director, Institute of Home Economics, University of Delhi on 14 December 2017. A cleanliness drive was organised on 22 December 2017. Staff and students enthusiastically took part in it. A documentary 'Mahatma' was screened on 28 December 2017. An interactive session of the participants of All India University Camp held at Wardha, Maharashtra 23 – 30 December 2017 was organised. Participants shared their experiences about their stay, education and cultural diversity at Wardha, Maharashtra.

A photo exhibition on Tolstoy-Gandhi was organised with Department of Slavic Finno-Ugric Studies, University of Delhi from 18 – 22 January 2018 in collaboration with Embassy of Russia in India, Leo Tolstoy Museum-Estate 'Yasnaya Polyana' and National Gandhi Museum, New Delhi.

Gandhi Bhawan celebrated the Constitution Day on 25 January 2018. The Director along with students and staff also took pledge.

On 30 January 2018 the Martyrs' Day was observed. In the programme, Sarv Dharma Prarthana along with other programmes was organised. Prof. Yogesh Kumar Tyagi, Hon'ble Vice Chancellor, University of Delhi along with other dignitaries paid homage to Mahatma. A musical tribute to Mahatma Gandhi was organised.

Facilities:

Yoga Classes are held during Monday – Friday from 7:00 a.m. - 9:00 a.m. and from 1:00 p.m. – 5:30 p.m. Saturday: from 7:00 a.m. - 9:00 a.m. Meditation Class: Friday 4:30 p.m. – 5:30 p.m.

Gita Discourse is organized every Sunday from 10:00 a.m. – 11:00 a.m.

Charkha Spinning Certificate Course: Three months/ 24 hours. Held every Wednesday from 3:00 p.m. – 5:00 p.m.

Khaddi Certificate Course: Three months/ 24 hours. Held every Wednesday from 10:00 a.m. – 5:00 p.m.

Certificate Course in Yoga and Meditation Training: Three months/ 70 hours. Classes are being held thrice a week – Monday, Thursday, Saturday from 3:00 p.m. – 5:00 p.m.

On every Thursday, a programme – 'Meeting with the Vice Chancellor' was being held to take care of grievances from students, teachers and non-teaching employees of Delhi University. As on date, the same has been discontinued as per the decision of the Managing Committee.

Free Legal Aid Clinic in collaboration with DSLSA, Patiala House Courts, New Delhi is being run on every Friday from 3:00 p.m. – 5:00 p.m.

Computer classes for students are being held from 11:00 a.m. – 1:00 p.m. and 3:00 p.m. – 5:00 p.m. everyday in which basic know-how of computers and Hindi typing training are being provided.

Training of Short-hand and Typing in Hindi are being held in Gandhi Bhawan by Hindi Academy of Government of Delhi.

Other Significant Information

Gandhi Study Circle: Apart from above-mentioned activities/ programmes, various colleges under the aegis of Gandhi Study Circle have also conducted various action-oriented programmes/ events at their colleges to imbibe Gandhian values among students/ youth. These colleges have been given a part-financial aid up to Rs. 10,000/- each by Gandhi Bhawan to conduct the programmes. The following are the colleges who organised programmes/ events on Gandhian values are as under: Ram Lal Anand College; Bhaskaracharya College of Applied Sciences; Daulat Ram College; Zakir Husain Delhi College; Maharaja Agrasen College

GARDEN COMMITTEE

Major Activities and Achievements

Development/renovation and maintenance of new Lawns and Gardens:

Development of Herbal Garden near Garden Committee Office (under developing phase)

Development of 'Nakshatra' Garden near Garden Committee Office (under developing phase)

Development of 'Navgrah' Garden near Garden Committee Office (under developing phase)

Horticulture work related to maintenance of Lawns & Gardens at various Departments, Offices and residential areas on Campus on day to day basis.

Decoration work by displaying Foliage/Flower pots on various occasions at different Departments such as Lectures series, Seminars; the University Convocation Day, The University Foundation Day and special invitee functions organised by University of Delhi throughout the year.

60th Annual Flower Show – 2018:

60th Annual Flower Show was organised on 23rd February, 2018 at Mughal Garden (in front of Vice-Chancellor office), University of Delhi. It was inaugurated by Prof. Yogesh Kumar Tyagi, Hon'ble Vice-Chancellor, University of Delhi. Activities including display of stalls for various types of garden tools, Herbal & Medicinal Plants, and Ornamental Plants were organised during this event. More than 22000 visitors visited the Annual Flower Show. Participation by the J&K State Department of Floriculture showcasing unique flora was widely appreciated. About 100 running cups/trophies were awarded and several cash prizes were distributed to the Malis/exhibitors.

On the spot photography Competition:

A Photography Competition for all visitors and students of University of Delhi was organised on Friday, 23rd February 2018 from 10.00 a.m. - 1.00 p.m. at Flower Show Venue. Over 60 persons participated in the Photography Competition.

INTERNATIONAL GUEST HOUSE

Catering Arrangements

Special catering arrangements were provided to four hundred sixty one bookings provided Lunch/Dinner/Hi-Tea/Conferences/Meetings/Seminars during the said period.

Rooms Accommodations

During the period one thousand six hundred seventeen rooms were provided for accommodation and messing. Most of the guest stayed at IGH were foreigners and all the guest were satisfied by the services/food/behavior of the staff of International Guest House.

New facilities and amenities

Making of Six Stone Almirah in guest rooms

Cleanliness Drive

White-wash of six guest rooms.

NATIONAL CADET CORPS

Major Activities and Achievements

Enrolments of NCC Cadets in Senior Wing and Senior Division in the 45 colleges of the University of Delhi were conducted by the respective NCC Units and approximately 4000 cadets were enrolled. NCC cadets actively participated in various University level activities like Foundation day, University Convocation, Ambassadorial Lecture Series, Percipience- the Eminent Alumni Lecture Series, Republic Day Celebration, Independence Day Celebration, Workshop on Human Value Development, Road Safety Programme, Election Commission of India - SVEEP College Campus Ambassadors, Wall of Heroes etc.

NCC cadets also actively participated in Swachh Bharat Abhiyaan, Ekta Diwas, Basic Leadership Camp, Army Attachment Camp, Combined Annual Training Camp, Vayu Sainik Camp, Thal Sainik Camp, Nav Sainik Camp, Special National Integration Camp, Pre-Republic Day Camps, Republic Day Camp, CM Rally, PM Rally, Amar Jawan Jyoti, National Integration Camp, Youth Exchange Programme etc. organised by NCC Directorate. The appointment of Care Taker Officers (CTOs) to become future ANOs in the colleges of the University was coordinated by the In charge NCC, DU with the NCC Delhi Directorate to ensure all the units have Associate NCC Officers. The In charge NCC, DU was awarded Veerta Purskar 2017 on 9th Sept 2017 for her dedication and continuous contribution to promote NCC Activities. The In charge NCC DU was awarded the DG NCC Commendation Card on 27th December 2017 for her outstanding contribution to NCC Activities.

NATIONAL SERVICE SCHEME

In order to promote spirit of selfless community service in the volunteers a variety of programmes were organised under the aegis of NSS Centre by the volunteers of 63 College Units in the session 2017-2018.

Community Development Programme: 11 April 2017

Under Social Service and Community Development action Plan 2017 NSS Volunteers participated "Road Safety, Swachhta Abhiyan and Digital Literacy - Awareness Programme" on 11 April 2017. More than 450 NSS Volunteers spread the message of Community Service.

Slum Adoption Programme: May 2017

Under the Social Outreach Programme, thirty seven NSS units adopted slums nearby their respective colleges in order to render their social services in the field of Literacy, Sanitation, Health, Hygiene, Cleanliness, Women Safety and Skill Development.

International Day of Yoga: 21 June 2017

International Day of Yoga was celebrated by NSS Centre in collaboration with Gandhi Bhawan. Honorable Vice Chancellor, University of Delhi graced the occasion and boosted the morale of the participants. More than 200 NSS Volunteers from all colleges participated in the event. NSS Centre organised orientation cum practice sessions. The following events on Yoga were organised by NSS Centre: -Yoga demonstration, Different way of Yoga- Group Performance by NSS Volunteers of Mata Sundari College, Rythmic Yoga- Individual Performance by NSS Volunteers of Aryabhata College and Common Yoga Protocol was followed by the participants.

SVEEP College Campus Ambassador: July 2017

Appointment of SVEEP (Systematic Voters Education and Electoral Participation) College Campus Ambassadors. Volunteers from each college were nominated as SCCA to coordinate programmes/activities related to the Election Commission of India during 2017-2018 in coordination with the Chief Election Office, Delhi and the NSS Centre, University of Delhi.

SwachhtaPakhwara: 1 August to 15 August 2017

NSS units under the ambit of NSS centre observed Swachhta Pakhwara from 1st August – 15th August 2017. Oath was taken by the NSS units to devote one third hours for the cause of Clean India. Awareness about cleanliness was spread by the volunteers. Cleanliness drive was conducted in colleges and made

volunteers responsible towards social service. Door to Door Campaign and visit to local welfare agency were the key activities of Cleanliness drive. Swachhta Rally was also organised by the NSS units.

Celebration of NSS Day: 24 September 2017

On the occasion of NSS Day, Competition on alternative NSS Logo was organised in the NSS units. Best entries received by the NSS Centre were forwarded to the Ministry of Youth Affairs and Sports, Govt. of India.

Rally for Rivers: 2 October 2017

NSS Volunteers actively participated in the Rally for Rivers event on 2 October 2017 at Indira Gandhi Indoor Stadium, New Delhi. In the backdrop NSS Centre in collaboration with Isha Foundation organised workshop on 27 September and 29 September for understanding the importance of Rivers in our life. Our Volunteers became part of Nation-wide Campaign for Rally for Rivers.

National Integration Camp: 6 October 2017 - 12 October 2017

National Integration Camp was organised by NSS State Cell of Himachal Pradesh in collaboration with the State Govt. at Govt. College Seema (Rohru) Distt. Shimla, Himachal Pradesh. From NSS- DU ten NSS Volunteers with one Programme Officer attended the Camp.

Pre Republic Day Parade Camp: 25 October 2017 - 3 November 2017

Pre-Republic Day Camp selection was conducted by the State NSS Cell, Govt. of NCT of Delhi in which three NSS volunteers were selected from Atma Ram Sanatan Dharma College, PGDAV (Eve.) and Indira Gandhi Institute of Physical Education and Sports Sciences. Pre RD Camp was held at CCSHAU, Hissar, Haryana from 25 October to 3 November 2017.

Rastriya Ekta Diwas: 31 October 2017

On the occasion of the Birth Anniversary of Sardar Vallabhai Patel, Rastriya Ekta Diwas was celebrated by the NSS units on October 31st 2017. As part of the celebration NSS units conducted various activities like Pledge on Rashtriya Ekta, Unity Run and Street Play on "Unity". There was active participation of volunteers in organising the event and also pronounced involvement as goodwill ambassador in spreading the message about national safety, security and unity.

Workshop on Human Value Development: 13 November - 14 November 2017

A Workshop on Human Value Development was organised by All India Institute for Human Values and Resource Development on 13 November and 14 November 2017 at Ecumenical Centre, Janakpuri. Twenty five Volunteers actively participated in the Workshop.

Republic Day Parade Camp: 1 January to 31 January

In the RD Parade Camp from 1 January 2018 to 31 January 2018, one NSS volunteer from University of Delhi Ms. Khyati Puri from Atma Ram Sanatan Dharma College was part of NSS Contingent at Republic Day Parade 2018.

National Youth Day: 12 January 2018

National Youth Day was celebrated on the birthday of Swami Vivekananda. As a mark of befitting respect to Swami Ji, NSS units had organised the following activities:-

Film screening based on the life of Swami Vivekananda

Talk by NSS Volunteers on Vivekananda Philosophy

National Youth Festival: 12 January 2018 to 16 January 2018

Ministry of Youth Affairs & Sports, Government of India organised National Youth Festival at Gautam Buddha University, Greater Noida, Uttar Pradesh from 12 January to 16 January 2018. The theme of the festival was "Sankalp Se Siddhi". The objective of the festival was to provide opportunity to NSS Volunteers to showcase their talent through different activities such as cultural performance, sports, Suvichar, Youth Parliament. The NSS Centre selected ten NSS Volunteers from various colleges of University of Delhi participated in the Festival.

National Voters Day: 25 January 2018

In order to strengthen the Democratic norms in the volunteers, National Voters Day was celebrated on 25 January 2018. A pledge was taken by the volunteers to uphold the spirit of democratic tradition of our country.

Khelo India School Games (KISG): 27 January to 10 February 2018

Khelo India School Games was held with an objective of creating inspirational value amongst young and talented players in the country, and to create a platform for talent identification. Forty three NSS Volunteers provided their services in the Mega Event.

International Youth Exchange Programme: 26 February 2018

On 26 February 2018 twenty participants from Tunisia, North Africa visited Lakshmibai College, University of Delhi under an International Youth Exchange programme. Regional Director, Ministry of Youth Affairs and Sports interacted with the delegation and NSS Volunteers.

International Youth Exchange Programme: 15 March 2018

Maldivian Young Delegation (fifteen members) visited University of Delhi on 15 March 2018 as part of International Youth Exchange Programme between India and Maldives. NSS Centre facilitated the visit at Sri Guru Teg Bahadur Khalsa College. An interaction session was organised with the NSS unit.

Participation in DU Activities/Functions

Flower Show 23 February 2017

Ambassadorial Lecture Series 31 March 2017

Percipience- The Eminent Alumni Lecture Series 18 April 2017

Foundation Day 1 May 2017

NON-COLLEGIATE WOMEN'S EDUCATION BOARD

Non-Collegiate Women's Education Board (NCWEB) was established in September 1944 under University of Delhi Act 1943. The board facilitates the students to take part in some examinations without attending the regular classes. NCWEB emerged as an important academic option for the female students. Board had started with three students and at present catering the need of 26650 students. They are studying UG courses in 26 University of Delhi teaching centres. These centres are within Delhi area, fulfilling the academic needs of the students. Apart from UG centres one PG centre is situated in Tutorial Building, Arts Faculty. There are 15932 students in B.A. (Part I, II and III), 9781 in B.Com (Part I, II & III) and approx. 930 in PG course Part II & IV). Approx. 850 guest lecturers were appointed for this purpose. Details are as under:

For PG students 48 Associate Professors/Assistant Professors had been appointed as per the recommendation of their Head of the Departments.

The students had been given chance to participate in debate, creative writing competition in their respective teaching centres within the fifty days of short teaching span of NCWEB teaching. Cultural activities had also been provided to aware of the experience of college life. Apart from all in order to develop the competition in the students several inter-centre and cultural activities occurred. The glimpse of all these activities had been seen in the annual functions of the board and teaching centres. NCWEB e-magazine updated every year comprises of various articles and creative writings of 26 teaching centres.

Pass percentage of UG courses are as under:

Course	1 st Year	2 nd Year	3 rd Year
B.A. (Prog.)	81.75%	85%	82%
B.Com	74.5%	83%	77%

The board facilitated the UG students of 26 teaching centres secured first 3 positions in the year 2017-18 in BA (Prog.)/B.Com and 44 students from M.A. secured 75% marks with a certificate.

Around 2027 books (free of cost) had been provided to the students during this year.

In the direction to achieve a new horizon to the women's education, Board is taking every step to reach its goal.

Teaching Centres of NCWEB

Aditi Mahavidyalaya; Aryabhatta College; Bhagini Nivedita College; Bharati College; College of Vocational Studies; Dr. Bhimrao Ambedkar College; Deen Dayal Upadhyay College; Hansraj College; Janaki Devi Memorial College; Jesus & Mary College; Kalindi College; Keshav Mahavidyalaya; Lakshmibai College; Maharaja Agrasen College; Maitreyi College; Mata Sundri College; Miranda House; Moti Lal Nehru College; PGDAV College; Rajdhani College; Ramanujan College; Satyawati College (E); SGGSC of Commerce; Sri Aurobindo College; SPM College; Vivekananda College; PG Teaching Centre

STUDENTS WELFARE OFFICE

The Dean Student's Welfare Office was engaged in the following activities during the academic year 2017-18:

Counseling Activities

Open Days: Open days were conducted at North Campus (Conference Centre). Open days were organised on regular basis to guide students in the process of admission. Altogether, more than 50,000 admission aspirants and parents attended these sessions. The aspiring candidates and their parents showed a high degree of enthusiasm and satisfaction after attending the open days.

Transition: Counselling sessions were conducted for the teachers from different schools of Delhi. The basic premise to conduct these sessions was to guide the teachers regarding the admission process in University of Delhi. The Entire process of admission was explained to them so that they could extend the necessary guidance to their students in respective schools.

Help Desk: Student Help Desk for undergraduate admissions was set up at the Conference Centre of Dean Student's Welfare Office. This step was initiated to assist aspiring students about the admission process. These help desks operated for more than a month from the Conference Centre.

Admission Activities

Undergraduate Admission Co-ordination:

The Dean Student's Welfare office along with OSD Admissions office coordinated the entire admission process, prepared University Information Bulletin for Admission to all categories (Gen/OBC/SC/ST/PwD) and analyzed the admission data on routine basis. Students of all categories Gen/SC/ST/OBC were allowed to register through an online registration form. The PwD candidates were provided all separate additional facilities related to their admissions. The bulletin of information was freely available online for the candidates.

Grievances of students belonging to SC/ST/OBC and PwD category was addressed by a committee constituting Dean Students' Welfare as chairperson and Deputy Dean, Student's Welfare as convenor. Deputy Dean, Student's Welfare, was also coordinating the ECA Admissions Committee. This year registrations to the PG Hostels were made centralized.

Central Placement Cell Activities

University has a Central Placement Cell (CPC) which caters to the employment opportunities for students pursuing under-graduate, post-graduate and Ph.D studies at the university level. The academic year 2017-18 was the tenth year of CPC of its working after the inception in the year 2008. The total number of students registered exceeded 16000 including internship registration. This year a total of 38 companies were short listed which carried out ON-Campus Selection Drives at North as well South Campus. More than 1500 students were shortlisted with job offers from different companies and 1100 students finally got employment in various public and private sectors with handsome salary packages. This year showed a significant number of corporate jobs to Post-Graduate & Ph.D candidates. Along with the regular CPC activities, this year under Capacity Enhancement Programme, experts from different fields were invited to interact with 1st and 2nd year students for providing them specialized career guidance. These workshops helped our students to interact with professionals to enhance their basic skills viz CV writing, facing interviews, self-assessment and self-employment. This year two such capacity enhancement programmes were conducted by DSW office.

Internship Programmes: Companies from across the country were invited to register with CPC for internship opportunities. Students from 1st and 2nd year from different colleges were selected by these companies. Two internship fairs were also organised with more than 1000 student participation. Accenture, Classroom teachers, Paytm, Orange Octopus, DAIS foundation, OYO Rooms were the prominent companies for internships.

Placements: Central Placement Cell builds liaison with business leaders and senior managers in reputed companies. The Central Placement Cell acts on the advice of the Placement Cell Advisory Committee under Dean Student's Welfare, comprising of Deputy Dean Student's welfare, consultant and placement coordinators from all the colleges and departments. The advisory committee monitors and guides the functioning of the Placement Cell. Different Capacity Enhancement Programmes were also organised for students to develop their leadership skills.

This year a sizable number of students got job offers from the companies like Amazon, Genpact, Navig8, Forex, Urbanclap, and Annual packages up to 11.00 Lac were offered to students registered with CPC. Leading organizations of international and national repute have partnered with University of Delhi for recruitment through Central Placement Cell.

Ek Bharat Shrestha Bharat: Dean Student's Welfare Office is the nodal office for handling and coordination the activities under this programme. The coordination is done both with the College's and MHRD. Different Colleges have been allocated activities under this programme and final compiled reports of these activities are later sent to MHRD.

Swachh Bharat Summer Internships: Dean Student's Welfare Office is also coordinating the activities like SBSI. This office works in close association with colleges and other concerned offices in working on the logistics and policy implementation framework of the programme.

Visit of school students from J&K under the aegis of MHRD: The DSW office hosted the Student Exchange programme on 23 January, 2018, wherein 350 students from J&K visited the Delhi University. Deputy Deans of the student's welfare office made a presentation and familiarized the students about education structures prospects in the university. The presentation was followed by an interactive session during which the students were invited to ask questions about the admission to various courses available in the University.

Cultural Council

Culture Council helped in organizing the mentioned events:

Percipience Lecture Series: The Eminent Alumni Lecture Series to strengthen the continuing bond between the parent University of Delhi and its huge universally diaspora alumni. An interactive session was held on 21 April 2017 at Convocation Hall, Viceregal Lodge. The Wall of Heroes, an initiative of MHRD, depicts the portraits of war warriors honoured with Param Veer Chakra, India's highest military decoration for showing extraordinary courage and bravery to defend our country. The Inaugural Ceremony of the "Wall of Heroes" was held in the Conference Centre, University of Delhi on 2 June 2017 at 4:00 pm. Thailand Majesty Princess – Maha Chakri Sirindhorn and Thai military cadets visited Delhi University on 17 July 2017. On the occasion of Independence Day a Kavi Sammelan was held on 14 August 2017 at Old Vice Regal Lodge.

Theatre Workshop was organised by Culture Council from 24 July to 19 August 2017 for Edinburgh Fringe Festival Participants at Multipurpose Hall in the Sports Complex. International Theatre Performance: Blind Spots were performed at the Edinburgh Fringe Festival (21-28 August, 2017) by a team of 22 students and 3 faculty members. It had 8 back-to-back performances at the second largest venue in Edinburgh. 'Distinguished Lecture Series' on 'India's Foreign Policy and Security Challenges in the Contemporary World: First Ambassador Series Lectures, by Ambassador G. Parthasarthy on 'India's Foreign Policy and Security Challenges in the Contemporary World', was held on 17 January 2018 at the Convention Hall, Vice-regal lodge

From many past years Culture Council has been continuously supporting Faculty of Music and Fine Arts in organizing Vasant Utsav programme (February 2018). Inter College Ghazal Competition was held on 9 March, 2018 at Shyama Prasad Mukherjee College. The Honourable President of the Federal Republic of Germany Mr. Frank Walter Steinmeier visited the Vice Chancellor Office on 23rd March, 2018. During the Baba Sahib Dr. Bhim Rao Ambedkar's 127 birth century celebration a Cultural programme was organised on 14 April, 2018 at Viceregal Lodge. On the occasion of University Foundation Day on 1st May, 2018 a Cultural programme was organised by Culture Council at Viceregal Lodge.

UNIVERSITY GUEST HOUSE

Major Activities and Achievements

The University Guest House caters to the needs of major academic meetings by way providing accommodation and meals. It is also a venue for meetings. A number of examiners and visiting scientist are provided hospitality.

Facilities

University Guest House has 33 rooms in the main building and 06 Bamboo Cottage rooms with attached bathroom, phone, TV etc. Two persons can stay in one room.

University Guest House provides free internet and Wi-Fi facility to the room guests.

University Guest House has a kitchen to provide safe, healthy, hygienic and delicious food.

University Guest House has a clean and spacious dining hall with the sitting capacity of 35-40 persons.

Guest House has a Lounge with mike and projector facility for meetings, get-togethers with the sitting capacity of 70-80 persons

University Guest House also has a small committee room for meetings around 10-12 persons.

UNIVERSITY PRESS

Major Activities and Achievements

The University Press has taken various printing jobs, such as printing of degrees, Mark Sheets, Answer Books, Prospectus, Yearly Review, Annual Reports of the University, Academic Council/Executive Council minutes, printing of examination forms and several other items of the University and its colleges. Besides, binding of various records and registers etc. of the University was also completed.

Six printers are empanelled with the University Press for different kind of printing jobs currently. The Press Advisory Committee (PAC) has recommended for the preparation of the tender document for empanelment of printers for the year 2018-2020 which is in the process. The number of jobs executed during the financial year 2017-2018 were 488 valued at Rs.1,43,01,450/- and 559 dockets were opened.

ACADEMIC CENTRES

AGRICULTURAL ECONOMICS RESEARCH CENTRE

Major Activities and Achievements

In view of the importance and continuing relevance of the research conducted by the Centre, the Union Ministry of Agriculture & Farmers Welfare has approved continuance of Grants-in-aid (vide letter No.F.No.12-1/2017-AER-ES dated 11-05-2018) to the Centre for two more years i.e., until 31 March 2020. Despite such uncertainty over funding and a resultant research staff crunch for most of the year, the Centre has completed the following important Research Study and submitted the report to Ministry of Agriculture and Farmers Welfare. Electronic National Agricultural Market (e-NAM): A Review of Performance and Prospects in Haryana. Research Study No. 2018/01 (Research Team – Prof. C. S. C. Sekhar, Dr. Yogesh Chandra Bhatt, Dr. Vishnu Shankar Meena, Mr. Vishal Dagar, Ms. Anusha Sharma, Ms. Nandi Negi and study was facilitated by Mr. Asghar Ali)

Publications

Sekhar, C. S. C., Roy, D., Bhatt, Y. (2017). Food inflation and food price volatility in India – Trends and determinants. Discussion Paper 01640, *International Food Policy Research Institute*, Washington, D.C.

Sekhar, C. S. C., & Bhatt, Y. (2018). Pulses production in India: An empirical analysis. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 34-44). New Delhi: Oxford University Press.

Sekhar, C. S. C., & Bhatt, Y. (2018). Farm mechanization in india with special focus on eastern region. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 274-284). New Delhi: Oxford University Press.

Ghosh, N., Bhatt, Y., & Yadav, S. (2018). What restrains demand for crop insurance in India. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 523-532). New Delhi: Oxford University Press.

Research Projects

Ministry of Agriculture & Farmers, Welfare, *Electronic National Agricultural Market (e-NAM): A Review of Performance and Prospects in Haryana*, 2017-2018.

Seminar/Conference Presentations

C. S. C. Sekhar

“Climate Change and Rice Economy in Asia: Implications for trade policy”, *International Technical Conference on Climate Change, Agricultural Trade and Food Security*, 15-17 November, 2017, FAO, Rome.

“Agricultural Market Integration of Select Commodities in India”, *FAO-MoA & FW National Meeting of Experts on Agricultural Markets, Price Data Visualization and Early Warning System*, New Delhi, 11-12 September 2017.

“Identification of major agricultural markets for price monitoring in India”, *FAO-MoA & FW National Meeting of Experts on Agricultural Markets, Price Data Visualization and Early Warning System*, New Delhi, 11-12 September 2017.

“Measuring food price volatility and impact of international markets”, *FAO – MoA & FW Workshop on Agricultural markets, Prices and Market integration in India - Conceptual and Methodological Issues*, New Delhi, 21 August 2017.

“Food Security of the Elderly”, *National Conclave on Financial Inclusion of Persons with Disabilities in India*, Society for Disability and Rehabilitation Studies-SDRS, New Delhi, 25 May 2017.

Chaired the session on “Climate Change, Food Security and Sustainable Development” in the *National Seminar on Climate Change Mitigation, Adaptation and Sustainable Development*, 14-15 March, 2018, Department of Economics, Jamia Millia Islamia

Yogesh Bhatt

“Relationship between Wholesale prices, Retail prices, Export prices (FOB), Prices realized by farmers”, *“National Conference on Agro-Economic Research”*, Institute of Economic Growth, 30-31 January, 2018.

“Food Prices at National and State Level: Trends and Determinants”, *“National Conference on Agro-Economic Research”*, Institute of Economic Growth, 30-31 January, 2018.

Faculty Strength

01

CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

Major Activities and Achievements

Centre was earlier involved in the major discovery of Higgs Boson in 2012 in the CMS Experiment at CERN, Geneva, Switzerland and in 2015-16 it continued its association with the CMS experiment. Multi-strip Si sensors, which are designed, developed and fabricated in collaboration with BEL, Bengaluru were characterized at KIT, Germany. These are state-of-the-art detectors and are developed almost for the first time in India. Centre is also gearing up to prepare for the certified Sensor Qualification Centre (SQC) for characterizing the silicon strip sensors for the Tracker Upgrade of the CMS Experiment.

Publications

Sirunyan, et al. (2018). Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1805(05), 149.

Sirunyan, et al. (2018). Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton+jets events from pp collisions at $\sqrt{s}=13$ TeV. *Physics Review*, D97(11), 112003.

Sirunyan, et al. (2018). Search for $t\bar{t}H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1806, 101.

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Adam, et al. (2018). Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. *Journal of Instrumentation*, 13(03), P03003.

Sirunyan, et al. (2018). Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. *Journal of High Energy Physics*, 1805, 006.

Sirunyan, et al. (2018). Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1805, 088.

Sirunyan, et al. (2018). Search for narrow resonances in the b-tagged dijet mass spectrum in proton-proton collisions at $\sqrt{s}=8$ TeV. *Physics Review Letters*, 120(20), 201801.

Sirunyan, et al. (2018). Measurement of the $\Lambda b \Lambda b$ polarization and angular parameters in $\Lambda b \rightarrow J/\psi \Lambda \Lambda b \rightarrow J/\psi \Lambda$ decays from pp collisions at $\sqrt{s}=7$ and 8 TeV. *Physics Review D*, 97(7), 072010.

Sirunyan, et al. (2018). Search for heavy neutral leptons in events with three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. *Physics Review Letters*, 120(20), 221801.

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Sirunyan, et al. (2018). Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. *Journal of High Energy Physics*, 1806, 031.

Sirunyan, et al. (2018). Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\mu$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1804, 073.

Sirunyan, et al. (2018). Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. *Journal of High Energy Physics*, 1803, 181.

Sirunyan, et al. (2018). Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1806, 027.

Sirunyan, et al. (2018). Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1803, 160.

Sirunyan, et al. (2018). Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. *Physics Letters B*, 782, 440-467.

Sirunyan, et al. (2018). Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1805, 127.

Sirunyan, et al. (2018). Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV. *The European Physical Journal C*, 78, 509.

Sirunyan, et al. (2018). Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV. *Physical Review Letters*, 120 (24), 241801.

Sirunyan, et al. (2018). Bose-Einstein correlations in pp, pPb and PbPb collisions at $\sqrt{s_{NN}}=0.9-7$ TeV. *Physics Review C*, 97(6), 064912.

Sirunyan, et al. (2018). Search for lepton flavour violating decays of the Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1806, 001.

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Jain, G., Dalal, R., Bhardwaj, A., Ranjan, K., Dierlamm, A., Hartmann, F., Eber, R., Demarteau, M. (2018). Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments. *Nuclear Instruments and Methods in Physics Research Section A*, 882, 1-10.

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Sirunyan, et al. (2018). Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. *Physics Letters B*, 780, 118-143.

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Sirunyan, et al. (2018). Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. *The European Physical Journal, C* 78 (2), 140.

Sirunyan, et al. (2018). Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ and 8.16 TeV. *Journal of High Energy Physics*, 1801, 045.

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Sirunyan, et al. (2018). Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. *Physics Review Letters*, 120(9), 092301.

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- Aaboud, et al. (2018). Combination of inclusive and differential $t\bar{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s}=7$ and 8 TeV. *Journal of High Energy Physics*, 1804, 033.
- Sirunyan, et al. (2018). Search for Higgsino pair production in pppp collisions at $\sqrt{s}=13$ TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \rightarrow b\bar{b}$. *Physics Review D*, 97(3), 032007.
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- Sirunyan, et al. (2018). Measurement of the Splitting Function in pppp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. *Physics Review Letters*, 120(14), 142302.
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Sirunyan, et al. (2017). Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of WW and ZZ Bosons Using pppp Collisions at $\sqrt{s}=13$ TeV. *Physics Review Letters*, 119(14), 141802.

Sirunyan, et al. (2017). Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions. *The European Physical Journal C*, 77 (11), 746.

Sirunyan, et al. (2017). Search for black holes in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. *Physics Letters B*, 774, 279-307.

Sirunyan, et al. (2017). Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. *Physics Review D*, 96(03), 032003.

Sirunyan, et al. (2017). Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. *The European Physical Journal, C*, 77 (09), 578.

Sirunyan, et al. (2017). Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\bar{t}}$, M_{T2} , and $M_{b\bar{t}\nu}$ in pp collisions at $\sqrt{s}=8$ TeV. *Physics Review D*, 96(03), 032002.

Sirunyan, et al. (2017). Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. *Journal of High Energy Physics*, 1707, 001.

Sirunyan, et al. (2017). Measurements of the $pp \rightarrow W\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s}=8$ TeV. *Journal of High Energy Physics*, 1710, 072.

Research Projects

DST Major Research Project, *Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization*, 2014-2019, Dr. Kirti Ranjan, Rs. 11.73 Crore.

DST Major Research Project, *Updating and Operation of Regional WLCG Grid System*, 2014-2019, Dr. Kirti Ranjan, Rs. 25.30 Lakhs.

DST Major Research Project, Dr. Ashok Kumar, 2015-2018, Rs. 23.48 Lakhs.

DST Major Research Project, *R&D efforts by University groups for INO Project*, 2013-2018, Dr. Md. Naimuddin, Rs. 178.41 Lakhs.

Seminar/Conference Presentation

Dr. Ashutosh Bhardwaj, Talk delivered on Silicon Sensors in Experimental High Energy Physics Experiments, Advanced Detectors for Nuclear, High Energy and Astroparticle Physics, 15-17 February, 2017, Bose Institute, Kolkata, India.

Inter-Institutional Collaboration

All Research Projects are inter-institutional projects.

CENTRE FOR ENTREPRENEURSHIP AND CAREER ORIENTED PROGRAMME

The Centre for Entrepreneurship and Career Oriented Programs started many Entrepreneurship Cells in different Colleges of University of Delhi. The centre also organised various activities in the entrepreneurship cells initiated in various colleges of University of Delhi

27 April 2017 – Meeting with the teachers to start the Entrepreneurship Cell in Shivaji College

17 August 2017- Inauguration of Entrepreneurship Cell in Shivaji College. Lectures cum discussions with students and teachers

9 November 2017– Organised Celebrated Entrepreneurship Day in Shaheed Rajguru College of Applied Sciences for Women.

11 January 2018 – Entrepreneurship Summit organised by the Entrepreneurship Cell of Shivaji College.

16 January 2018 - Inauguration of Entrepreneurship Cell in Vivekananda College.

2 February 2018 – Flowering of ideas for starting an enterprise. Group discussions and generation of ideas.

20th February 2018- Inauguration of Entrepreneurship Cell in Deen Dayal Upadhyay College.

Shaheed Rajguru College gets approval to start the Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME) -DI, New Delhi (Feb, 2018).

Seminar/Conference Presentation

Dr. S. Lakshmi Devi

Delivered a lecture on “Values in Education” in the Faculty Development Program on Recent trends in Applied Science teaching organised by Shaheed Rajguru College of Applied Sciences for Women from 21-28 July 2017.

Delivered a talk and conducted a workshop on “Work Ethics” in a “one-week National Para-teaching Staff Skill Enhancement Workshop (PTSSEW 2017)” from 15-21 December, 2017; jointly sponsored by UGC and DBT Star College Scheme organised by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi

Conducted the Awareness Program on Sexual Harassment for the employees of the TB Clinic Ramakrishna Mission, New Delhi on 22nd January 2018.

Delivered a lecture on “Facing and overcoming challenges” in the Youth Convention commemorating the 150th Birth Anniversary of Sister Nivedita on February 3, 2018 in Ramakrishna Mission, New Delhi.

Delivered a lecture on the “Teachings of Swami Vivekananda” in Sharda Mission, Haus khas, New Delhi on 4th March 2018.

Chaired the session III and give a keynote address on “Total Quality Management” in a one day seminar organised by the Internal Quality Assurance Cell of Vivekananda College on Quality Management System for College Administration on 12th February 2018.

CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS

Major Activities and Achievements

The thrust areas of the Centre include action research in addressing contemporary environmental and ecological challenges that are threatening ecosystems and quality of life and capacity building in action research. CEMDE has been active in the area of biological invasions. Contributed to the understanding of

mechanisms through which naturalized and/or nonnative plants achieve their competitive or general ecological success. Doctoral students of the Director are working on the invasion ecology of several exotic species. During 2017-18 the centre has undertaken the ecological restoration of mined out areas in coalfields of Coal India Limited in Dhanbad and Ranchi. The 4-year old restored sites harbour tropical deciduous forests/ecosystems. The centre has also developed a successful strategy for the management of *Lantana* – an invasive alien species – in protected areas.

Honours/Distinctions

Distinguished Visitor Award by the University of Alberta, Canada in 2016.

Robert H. Whittaker Distinguished Ecologist Award, Ecological Society of America, 2015.

Publications

Singh, S. P., Inderjit, Singh, J.S., Majumdar, S., Moyano, J., Nuñez, M. A., & Richardson, D. (2018). Insights on the persistence of pines (*Pinus* species) in the late Cretaceous and their increasing dominance in the Anthropocene. *Ecology & Evolution*, in press.

Berger, A., Brouquisse, R., Pathak, P.K., Hichri, I., Inderjit, Bhatia, S., Boscari, A., Igamberdiev, A.U., & Gupta, J.K. (2018). Pathways of nitric oxide metabolism and operation of phytoglobins in legume nodules: missing links and future directions. *Plant Cell & Environment*, in press.

Inderjit, Pergl, J., van Kleunen, M., Hejda, M., Babu, C.R., Majumdar, S., Singh, P., Singh, S.P., Salamma, S., Rao, B. R. P., & Pyšek, P. (2018). Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. *Biological Invasions*, 20, 1625–1638.

Becerra, P., Callaway, R., Catford, J., Inderjit, Andonian, K., Luce, M., Aschehoug, E., & Montesinos, D. (2018). Inhibitory effects of *Eucalyptus globulus* on understory plant growth and species richness are greater in non-native regions. *Global ecology & Biogeography*, 27, 68-76.

Zhang, F.L., Li, Q., Chen, F.X., Xu, H.Y., Inderjit, & Wan, F.H. (2017). Arbuscular mycorrhizal fungi facilitate growth and competitive ability of an exotic species *Flaveria bidentis*. *Soil biology & Biochemistry*, 115, 275-284.

Inderjit, Catford, J. A., Kalisz, S., Simberloff, D. & Wardle, D. A. (2017). A framework for understanding human-driven vegetation change. *Oikos*, 126, 1687–1698.

Pyšek, P., Pergl, J., Essl, F., Lenzner, B., Dawson, W., Kreft, W., Weigelt, P., Winter, M., Kartesz, J., Nishino, M., Antonova, L. A., Baptiste, M. P., Barcelona, J. F., Cabezas, F. J., Cárdenas, D., Cárdenas-Toro, J., Castaño, N., Chacón, E., Chatelain, C., Dullinger, S., Ebel, A. L., Figueiredo, E., Fuentes, N., Genovesi, P., Groom, Q. J., Henderson, L., Inderjit, Kupriyanov, A., Masciadri, S., Maurel, N., Meerman, J., Morozova, O., Moser, D., Nickrent, D., Nowak, P. M., Pagad, S., Patzelt, A., Peller, P. B., Seebens, H., Shu, W., Thomas, J., Velayos, M., Weber, E., Wieringa, J. J., & van Kleunen, M. (2017). Naturalized and invasive alien flora of the world: species diversity, taxonomic and phylogenetic patterns, geographic distribution and global hotspots of plant invasion. *Preselia*, 89, 203–274.

Majumdar, S., Sanwal, U., Inderjit. (2017). Interference potential of *Sorghum halepense* on soil and plant seedling growth. *Plant and Soil*, 418, 219-230.

Research Projects

Department of Biotechnology, *To Study Invasion Ecology of Prosopis Juliflora in contexts of Biodiversity and Conservation*, 2015-2018, Rs. 4796600.

Delhi Development Authority, *Biodiversity Parks Programme*, 2017-2018, Rs. 92676380.

Seminar/Conference Presentations

Professor Inderjit Singh

Delivered invited lecture, “Causes of biological invasions” at the Natural Resources, University of Alberta, Canada, January 11 2018.

Delivered a plenary lecture, “Allelopathy: studies on the ecology of plant chemistry” at the 8th World Allelopathy Congress, Marseille, France, July 24-28 2017.

Invited by the European and Mediterranean Plant Protection Organization (EPPO) to prepare a pest risk analysis for two invasive plant species, *Prosopis juliflora* and *Hakea sericea*, May 15-19 2017, Paris, France.

Professor C.R. Babu delivered invited lectures on “Biodiversity Parks, Ecological Restoration and Water Crises and Bioremediation at several National Workshops/ Seminars/ Conferences organised at Delhi.

Extension and Outreach Activities

In joint collaboration with Delhi Development Authority the CEMDE has been developing and managing six Delhi Biodiversity Parks- the first of its own kind in the world and these are rendering a wide range of ecological services to the City and its citizens. The DDA’s Biodiversity Parks Programme is largest outreach activity ever undertaken by any University in the world. The Biodiversity Parks have become hub for promoting environment awareness, environment education and nature conservation areas.

Faculty Strength

Professor: One (Inderjit Singh)

Professor Emeritus: One (C.R. Babu)

Non-teaching staff = Four

CENTRE FOR GENETIC MANIPULATION OF CROP PLANTS

Major Activities and Achievements

The major activity of the Centre is to undertake research on genetic improvement of oilseed Brassicas through conventional and biotechnological approaches. The Centre was established in the year 1995. Major financial supports have come from the DBT in the form of two major projects. Earlier the Centre was funded by the National Dairy Development (NDDB) from 1996 to 2016. The primary objective of the Centre is to undertake research on molecular breeding in Brassicas for improvement in yield and quality and breeding for disease resistance. The programme is concentrating on development of hybrids through conventional and transgenic approaches. Some of achievements from the Centre have been two CMS-based hybrids (DMH-1 and DMH-4) which are under cultivation in the farmers’ field. One transgenic hybrid (DMH-11) has been cleared by GEAC and permission has granted to undertake demonstration trials. The programme has also developed canola quality and white rust resistant mustard lines by marker-assisted breeding. Presently genome sequencing of several important *B. juncea* lines is being done for developing SNP based breeding platform.

Publications

Kajla, S., Mukhopadhyay, A., & Pradhan, A. K. (2017). Development of transgenic *Brassica juncea* lines for reduced 1 seed sinapine content by perturbing phenylpropanoid pathway genes. *PLoS One*, 12(8), e0182747.

Rajarammohan, S., Kumar, A., Gupta, V., Pental, D., Pradhan, A. K., & Kaur, J. (2017). Genetic architecture of resistance to *Alternaria brassicae* in *Arabidopsis thaliana*: QTL Mapping Reveals Two Major Resistance-Confering Loci. *Frontiers in Plant Science*, 8, 260.

Dhaka, N., Mukhopadhyay, A., Paritosh, K., Gupta, V., Pental, D., Pradhan, A. K. (2017). Identification of genic SSRs and construction of a SSR-based linkage map in *Brassica juncea*. *Euphytica*, 213, 15.

He, Z., Wang, L., Harper, A. L., Havlickova, L., Pradhan, A. K., Parkin, I. A., & Bancroft, I. (2017). Extensive homoeologous genome exchanges in allopolyploid crops revealed by mRNAseq-based visualization. *Plant Biotechnology Journal*, 15(5), 594-604.

Dhaka, N., Rout, K., Yadava, S. K., Sodhi, Y. S., Gupta, V., Pental, D., & Pradhan, A. K. (2017). Genetic dissection of seed weight by QTL analysis and detection of allelic variation in Indian and east European gene pool lines of *Brassica juncea*. *Theoretical and Applied Genetics*, 130(2), 293-307.

Faculty Strength

06 (Project based)

CENTRE FOR INNOVATION IN INFECTIOUS DISEASE RESEARCH, EDUCATION AND TRAINING

Major Activities and Achievements

Centre for Innovation in Infectious Disease Research, Education, and Training (CIIDRET) established under the ordinance XV-A of the University of Delhi since October 2015 has received due approvals of the Academic Council and the Executive Council. As per its mandate, it has initiated several activities, which include interaction with college students of science stream to inspire them to take up research and Innovation as their career. CIIDRET has organised Industry-Academia Interaction through 'Entrepreneurship Guest Public Lecture Series', which includes lectures by Entrepreneurs and the facilitators of Innovation. CIIDRET has been providing state-of-the-art Proteomic and Genomic analytical facilities along with expert advice to scientists from both academia and Industry, and offers consultancy to the Biotech Industry. CIIDRET has organised Hands-on training courses covering different aspects of Genomics and Proteomics in collaboration with Industry Experts under the scheme 'Continuing Education and Skill Enhancement for Innovation in Biotechnology (CIIDRET-CESEIB).

CIIDRET has developed an ultra-large phage-displayed human antibody (scFv) library comprising of 10 billion clones by using proprietary cloning strategies, which have led to 100% recombinant clones with more than 70% in-frame full-length scFv molecule with sequences matching with germline sequences indicating the naïve-ness. This library has been successfully used for selecting binders to a clinically important human target protein, and the conversion of binders from scFv to Fab format retained the high binding specificity. This library will be useful for selecting therapeutic antibodies against various targets including snake venom as a cure for Snake bite, Antibiotic-resistant bacteria and their toxins that cause Sepsis etc.

Honors/Distinctions

Prof. Vijay K. Chaudhary Director, CIIDRET:

Was conferred upon the Outstanding Alumnus award of the College of Basic Sciences and Humanities by the G.B.Pant University of Agriculture and Technology on November 2017.

Has been nominated as a Member, Academic Council, Jawaharlal Lal Nehru University w.e.f. 8th May 2017 for two years.

Is a member of the Task Force on "Infectious Disease Biology" of the Department of Biotechnology, Ministry of Science and Technology, Govt. of India (DBT).

Has been nominated as Mentor, Nexus @ American Center, New Delhi. (<https://startupnexus.net/mentors>)

Has been nominated as the Chairman of the Patent Facilitation Committee of the DBT w.e.f. 5th January 2018.

Research Projects

Department of Biotechnology, Centre of Excellence entitled "*Antibody Technology: Research for Therapeutic and Diagnostic Application*", 2017-2020, Prof. Vijay K. Chaudhary (PI); Dr. Amita Gupta (Co-PI), Rs. 6.08 crores (Clinical Collaborator Dr. Sarman Singh (Co-PI), AIIMS).

Department of Biotechnology, 03 years, *DBT-supported Genomic Facility at University of Delhi South Campus*, Prof. Vijay K. Chaudhary (PI); Dr. Amita Gupta (Co-PI), Rs. 2.47 crores. This facility includes Sanger's DNA Sequencing using 96- and 16-capillary Applied Biosystems machines, Microarray on Agilent platform and Next Generation Sequencing on MiSeq platform.

Department of Biotechnology, 03 years, *Identification of Mycobacterial Proteins and Novel Antigenic Epitopes having Immunodiagnostic Potential and Development of Reagents for point of Care Test for Tuberculosis*, Dr. Amita Gupta (PI); Prof. Vijay K. Chaudhary (Co-PI), Rs. 81.9 lacs (Clinical Collaborator Dr. Rohit Sarin (CO-PI), NITRD).

Publications

Verma, V., Kaur, C., Grover, P., Gupta, A., & Chaudhary, V. K. (2018). Biotin-tagged proteins: Reagents for efficient ELISA-based serodiagnosis and phage display-based affinity selection. *PLoS ONE*, 13(1): e0191315.

Gupta, A., Venkataraman, B., Vasudevan, M., & Gopinath Bankar, K. (2017). Co-expression network analysis of toxin-antitoxin loci in *Mycobacterium tuberculosis* reveals key modulators of cellular stress. *Sci Rep*, 7(1), 5868. ISSN - 2045-2322 (online)

Patents Filed

An antibody fragment library, and uses thereof; Indian Patent application no. 201711043081 filed on 30th November 2017.

A process for immobilizing polypeptides; Indian Patent application no. 201711040047 filed on 9th November 2017.

Posters

ORF selected genome fragment libraries: tools to unravel microbial proteomes. Verma, V., Gupta, A., Chaudhary, V.K. Won best poster prize at INSCR International Conference on 27th September 2017 held at Conference Center, University of Delhi and organised by Department of Zoology, University of Delhi.

Recombinant mono-biotinylated antigens: Reagents for improved Immunoassays. Verma, V., Kaur, C., Grover, P., Gupta, A., Chaudhary, V.K. Poster presented at BioZest 2017, Faculty of Life sciences and Biotechnology, South Asian University on 10th November 2017.

Others

The nucleotide sequence of the vector pVMExp14367 was submitted to Genbank, NCBI (Accession ID: MG599491).

Conference/Workshop/Lectures Organised

Organised lecture by Mr. Nilesh Mehta, CEO & President, Premier Medical Corporation Ltd., Nani Daman, India entitled “Biotech Industry in India - Opportunities and Challenges” as a part of Entrepreneurship Guest Public Lecture Series to promote Industry - Academia Interaction Initiative on 7th April 2017

Organised lecture by Dr. Renu Swarup, Senior Adviser, Department of Biotechnology, Ministry of Science & Technology, Government of India entitled “Igniting Minds....Spurring Innovations” as a part of Entrepreneurship Guest Public Lecture Series to promote Industry - Academia Interaction Initiative on 3rd July 2017.

Organised 1st National Workshop on Protein Purification and Characterization, on February 6-9, 2018 at University of Delhi South Campus, New Delhi. In this, Hands-on training was provided in collaboration with M/s GE Healthcare, India.

Presentation in Conferences

Prof. Vijay K. Chaudhary delivered Key note address entitled “Antibodies: Wonder Molecules” at Symposium on Translational Science, Lab2Life, organised by Sri Venkateswara College, New Delhi on 15 February, 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “An indigenous phage-displayed naïve human antibody (scFv) library: A potential source of recombinant antibody-based therapeutics for human diseases including snake bite treatment ” at “Development of advanced biologics for the treatment of human diseases” organised jointly by SciGenom Labs Pvt. Ltd. Kochi, India, University of Toronto and Bio 360 Life Sciences Park, Kerala State Industrial Development Corporation (KSIDC) on 2-3 February, 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “Human Antibodies: their production and applications” at International Conference on Advances in Biosciences and Biotechnology organised by Jaypee Institute of Information Technology (JIIT), NOIDA, on 1st February 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “An indigenous phage-displayed naïve human antibody (scFv) library: A source of recombinant anti-snake venom molecules!” at SNAKSYMP 2017-Conference on Recent Advances in Research on Snake Venom and Snakebite Therapy: National and International Perspectives organised by CSIR-CCMB on 1st December 2017.

Dr. Amita Gupta delivered a lecture entitled “Insights into the Toxin-Antitoxin systems of Mycobacterium tuberculosis” at School of Life Sciences, University of Hyderabad on 14 July 2017.

Prof. Vijay K. Chaudhary delivered a lecture entitled “Recombinant Antigens and Antibodies for improved immunoassays” at Indo-Iran Workshop to Develop Cooperation in Biotechnology organised by International Centre for Genetic Engineering & Biotechnology on 4th August 2017.

Dr. Amita Gupta delivered a lecture entitled “Phage display technology and its Applications” at International Conference on Bacteriophages in River Ganga held at Institute of Medical Sciences, Banaras Hindu University (BHU), Varanasi on 22-23 August 2017.

CENTRE FOR INTER-DISCIPLINARY STUDIES FOR MOUNTAIN AND HILL ENVIRONMENT

Major activities and achievements

Realizing the significant contributions of the Centre in the field of environment impact assessment of power projects and environmental sensitivity studies of river basins, Ministry of Power, Government of India recognized it as Centre of Excellence in 2001-2002. It was established as an R&D Centre for conducting studies related to issues of environment impact and environment management in the power sector. The Centre has conducted numerous studies related to environment impact assessment and biodiversity conservation across India. The Centre also provides expert advice and consultancy services to various institutions of Government of India, its PSUs and Private sector in the field of environment impact assessment and sustainable development. The Centre has a state-of-the-art infrastructure and vast expertise available in the area of Ecology, Biodiversity Conservation Management, Aquatic Ecology, Remote Sensing and Geographic Information System (GIS). The Centre has played key role in assisting Public and Private sector organizations in pursuing the goal of sustainable development.

The faculty members and Scientists at the Centre are also engaged in full-time teaching programmes of the Department of Environmental Studies and guide research at Ph.D. level at the Centre.

Honors/Distinctions

Professor Maharaj K. Pandit, Director, Elected Fellow, Indian National Science Academy

Publications

Pandit, M. K. (2017). Life in the Himalaya: An Ecosystem at Risk. Harvard University Press. pp. 364.

Manish, K., Pandit, M. K., Telwala, Y., Nautiyal, D.C., Koh, L. P., & Tiwari, S. (2017). Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *Journal of Plant Research*, 130(5), 829-844.

Manish, K. (2017). Book review: Life in the Himalaya: An Ecosystem at Risk. *Frontiers in Ecology and Evolution* 5: 112.

Journals

Number of Department Teachers serving as Editor(s)/Member (s) of Editorial Board: 01

Research Projects

WAPCOS Ltd. Gurugram, *Ecological Survey of Kuri Gongri HEP, Bhutan*, 2018, Rs. 540000.

WAPCOS Ltd. Gurugram, *Ecological Survey for Upper Indravati PSP, Odisha*, 2018, Rs. 480000.

WAPCOS Ltd. Gurugram, *Ecological Survey for Sita-Rama LIP, Telangana*, 2018, Rs. 480000.

Seminars/Conference Presentations

Professor Maharaj K. Pandit

Delivered a talk on “How to strengthen and complement the loss and damage mechanism provided under the Paris Agreement: A case study of Madagascar”. 2017 South and Southeast Asian Youth Seminar on Climate Change, July 4-5, Ministry of Foreign Affairs, Taipei, Taiwan.

Delivered a talk on “Differential responses of non-native and endemic species to climate change in the Himalaya”. 4th Indian Biodiversity Congress, March 10-12, 2017. Pondicherry University, Puducherry, India.

Manish K., Bhatt J. P., & Pandit M. K. (2017). Varying patterns of species richness along elevational gradients in terrestrial and aquatic ecosystems of the Himalaya. International Biogeography Society – India Meeting, September 26-28, Indian Institute of Science (IISc), Bengaluru, India

Manish, K., & Pandit, M. K. (2017) Testing for phylogenetic control in plant species response to climate change in the Himalaya. XIX Commonwealth Forestry Conference, April 3-7, Forest Research Institute, Dehradun, India.

Rishabh Kaushik, Poster Presentation on “*Rhizosphere bacterial microbiome and plant invasion* at the SCCS (Student Conference on Conservation Science), held at University of Cambridge, the UK on from 27- 29 March 2018.

Jaya Arora, Presentation on “Community dynamics of degraded Himalayan habitats”. National Conference on Environmental Challenges for ‘New India’, June 2-3, 2018, Organised by: Environment and Social Development Association (ESDA), Delhi in Collaboration With: DR. Bhim Rao Ambedkar College, University of Delhi, Delhi, CSIR-National Environmental Engineering Research Institute & National Environmental Science Academy, Delhi.

Other Inter-Institutional Collaboration

Ecological Surveys & River Basin Studies

WAPCOS Limited, Gurgaon

Number of Ph.D. /M. Phil. Awarded

Ph.D.: 01

Faculty Strength

Permanent: 1

Contract basis: 2

CENTRE FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION

Major Activities and Achievements

Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, Delhi is one of the pioneer institutions of the country mandated to conduct various types of training programmes for the professional development of faculty members of Higher Education Institutions, across India. CPDHE works for competence development in the field areas of research methodologies, pedagogy, ICT, Science and Technology, Environment and Education. For making higher education centre hub of academic activity, CPDHE has envisaged new multidimensional and integrative role, through re-engineering Professional Development Programmes for teachers. CPDHE organizes workshops for faculties involved in university and college administration and Orientation/Refresher courses for teachers with the objective to create awareness of linkages among Society, Culture, Linguistics, Environmental Science, Education and Development, Management, IT/Computer Awareness, Gender Issues and many such areas. Goal of CPDHE is to achieve excellence in Higher Education. This year CPDHE conducted 4 Orientation Programmes (146 participants), 7 Refresher Courses (306 participants) and 3 Short Term Courses/Workshops (104 participants) that were attended by university/college teaching faculty from all over the country. Teachers from diverse demographical feature participated in the courses. Some of the popular theme areas oriented to which courses were conducted are: (1) उच्चशिक्षा, शिक्षण एवं भारत बोध, (2) भारतीय चिंतक और चिंतन परंपरा, (3) भारतीय भाषाएँ और सांस्कृतिक बोध, (4) वैश्विक संदर्भ में भारतीय सांस्कृतिक धरोहर मुद्दे और चुनौतियाँ, (5) भारतीय सांस्कृतिक वैश्विक अवदान, (6) वैश्विक परिदृश्य में संस्कृत एवं भारतीय भाषाएँ, (7) भारतीय प्रतिभा का समयानुकूल संवर्धन. In the sequence of different courses, one programme, titled “उच्चशिक्षा, शिक्षण एवं भारत बोध” was organised by the CPDHE to enhance awareness about the country. Vice-Chancellors, academicians and teachers of higher education from 22 states participated in this 24 days programme. This programme was appreciated by everyone and desired that such programmes should be organised on regular basis. Experts and speakers from different walks of Indian dimensions shared their views with participants to enrich their knowledge about India. In addition to the above, CPDHE this year also published two books with ISBN number in which hundreds of University/college teaching faculty contributed with their 2017 articles from different parts of the country.

Publications

CPDHE. (2017). *Topics in Mathematical Sciences*. Delhi: Shivalik Prakashan. ISBN No. 978-81-934519-6-0.

Singh, Geeta (Ed.). (2017). *Indian and Western Aspects of Identity*, CPDHE. New Delhi: Shree Kala Prakashan. ISBN No. 978-93-85329-22-7.

Singh, Geeta (Ed.). (2017). *Climate Change and Disaster Management*, CPDHE. New Delhi: Shivalik Prakashan. ISBN No. 978-81-934519-5-3.

Conferences Organised

Orientation Programmes

Orientation Programme (OR-88) - 31/05/2017 – 28/06/2017

Orientation Programme (OR-89) - 24/08/2017 – 21/09/2017

Orientation Programme (OR-90) - 21/11/2017 – 19/12/2017

Orientation Programme (OR-91) - 21/11/2017 – 19/12/2017

Refresher Courses

Refresher Course in Climate Change and Disaster Management (IDC) - 09/06/2017 – 30/06/2017

Refresher Course in E - learning and Digital Learning (IDC) - 05/09/2017 – 25/09/2017

Refresher Course in Indian Culture, Thought and Thinkers (IDC) - 28/11/2017 – 19/12/2017

Refresher Course in Mathematical Science (SRC) - 06/06/2017 – 27/06/2017

Refresher Course in Sanskrit and Indian Languages (SRC) - 20/06/2017 – 11/07/2017

Refresher Course Summer School - 05/09/2017 – 25/09/2017

Refresher Course Winter School - 28/11/2017 – 19/12/2017

Short Term Courses

Short Term Courses on Research Methodology - 20/03/2018 – 26/03/2018

Workshops

Workshop on Academic Administration - 19/03/2018 – 20/03/2018

Workshop on Language and Literature - 13/03/2018 – 15/03/2018

Seminar/Conference Presentations

Participated in “National Consultation on Revised Accreditation Framework” organised by NAAC, at India Habitat Centre, Lodhi Road, New Delhi on 25.04.2017.

Delivered 2 lectures as resource person in 126th Orientation Programme on the theme ‘Personality Development and Leadership’ at UGC-Human Resource Development Centre, Himachal Pradesh University, Shimla on 12.05.2017.

Delivered Inaugural Address as Chief Guest of the IInd National Rashtriya Sammelan on the theme “Nainital-Uttarakhand mei Prithvi: Maulik Mulya evam Vaishvik Sankat” organised by Panchamritam Dham, Nainital, Uttarakhand (24.05.2017-25.05.2017).

Participated in “Assessors Orientation Programme” organised by NAAC, at NAAC, Bengaluru, Karnataka(15.09.2017-16.09.2017).

Chaired an Academic Session in an ‘International Conference’ on “Resurging India, Reasserting China and World Peace: Emerging Scenario” organised by Faculty of Education & Faculty of Social Science, Chaudhary Ranbir Singh University, Jind, Haryana on 06.10.2017.

Delivered a lecture as Keynote Speaker of the Inaugural Function of the Centre for Women’s Studies on the theme “राष्ट्रनिर्माणमेंमहिलाओंकीभूमिका” organised by Maharaja Ganga Singh University, Bikaner, Rajasthan (03.11.2017).

Delivered 4 lectures as resource person in 101th Orientation Programme on the theme 'राष्ट्रनिर्माणमें शिक्षक की भूमिका, समकालीन शिक्षण एवं निर्माण, नेतृत्व एवं व्यक्तित्व निर्माण and Contemporary issues of India' at UGC-Human Resource Development Centre, Rani Durgawati Vishwavidyalaya, Jabalpur, Madhya Pradesh on (02.01.2018-03.02.2018).

Delivered a lecture as resource person in the National Debate on the theme 'भारतीय शिक्षा पद्धति' at Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra on 23.02.2018.

Acted as Chief Guest in the 'Research Methodology Training Programme in Social Sciences' organised by Indian Council of Social Science Research (ICSSR), Panjab University, Chandigarh, Punjab on 05.03.2018.

Faculty Strength

One permanent faculty (Director)

CLUSTER INNOVATION CENTRE

Major Activities and Achievements

M.Sc. (Mathematics Education):

To equip students with necessary ICT skills for developing e-content and to use ICT based pedagogy in the classroom, various workshops on the use of Geogebra; setting up virtual classrooms; and using E-learning tools for teaching were organized by inviting experts from the related field. Students did compulsory internship in schools and conducted Mathematics workshops for students in addition to teaching as interns. Students also worked on research problems directly related to the Mathematics classrooms.

B.Tech. (Information Technology & Mathematical Innovations):

In order to promote Academia - Industry linkage, *Leadership Lecture Series* was started in Aug 2017. Under this, four lectures were organized, professional were invited from Tata Communications limited, IBM Research New York, IBM Research India and Pitney Bowes. Four students from both first and second year won the *national winners* of eYantra Ideas Competition organised by IIT, Bombay in April 2017. Six students won the *consolation prize* at Smart India Hackathon 2017 organised by the Govt. of India. Eight students (three of which are from first year) were selected for the prestigious Google Summer of Code (GSOC) that brings developers into open source software development. One of the students was among the top 5 finalists at Indian Case Challenge, Global Entrepreneurship Summit, 2017 held at IIT Kharagpur. Second year students won the First Prize & Alexa Popular Choice Prize in the first ever Alexa Skills Hackathon in India. Ashish Jha, a second year student, was awarded the Best Financial Planning Themed Skill by Amazon and earned a full 6-month Google India Developer Nanodegree Scholarship to Mobile Web Specialist Nanodegree. He was one of the 150 students selected for this scholarship out of tens of thousands after participating in an initial 3 months of the selection period. He also received 500 USD scholarships for attending a ten-day Coding Bootcamp in Bali, Indonesia where more than 2000 students from all over the world applied. An entrepreneurship fest *Business Magnato* was initiated wherein ideas of startups were invited. These events witnessed a large participation from students across various colleges. Like past years, students of the Robotics society organized workshops students (school and college) and teachers.

B.A. Honours (Humanities & Social Sciences):

The two days program for Mental Awareness Week (Counselling) was held between October 24-25, 2017, in which panel discussions, slam poetry and cultural events were organised. A Lecture Series was organised for the students of Film Appreciation course in March-April 2018. Experts were invited from the Centre for Media Studies, JNU - Hrishikesh Arvikar and Ishani Dey. Special Lecture Series, focusing on theoretical debates in humanities & social sciences, was organized for the students of semester VI for which experts were invited from DU and JNU. The total of 24 semester-long projects was carried out by the students during the last academic year. They were majorly focused on the issues of social relevance and attempted to solve the social problems through social intervention. These projects were highly commended by the external experts who were invited for evaluation. Students of 2015-18 batch, have secured admissions in various reputed universities and institutions in India and abroad including IIT, TISS, Oxford University, University of Sussex, University of Leeds, Peking University etc.

DIC and TBI

New innovative products and processes are being developed at Design Innovation Centre. Some of the products are: VaccSure; Accieo; PerkUp; Takhti; Pradakshin; Aawas; SensOn; BloVR; Arete; Knowledge

Cup; WatchDog; TaggerBits; OpenCandle; Project Q. These products/processes are at various stages of development.

TBI has the following startups under incubation: Imfundo; Survaider; Deafcom; Pixvera; IdeasMarkt; MAG Initiative; Apparel Media; T9 Solutions; Daily at Five; and Lithics.

Honours/Distinctions

Prof. Pankaj Tyagi, Member of the panel of Judges for INNOVATION FAIR in Innovation Festival organized by National Science Centre, New Delhi from 20-21, January 2018.

Publications

Ahmed, S., Kaushik, M., Chaudhary, S., & Kukreti, S. (2018). Structural polymorphism of a Cytosine-rich DNA Sequence forming i-motif structure: Exploring pH based biosensors. *International Journal of biological macromolecules*, 111, 455-461.

Arora, S., & Aggarwal, Y. (2018). Prototyping solar powered helmet. *DU Journal of Undergraduate Research and Innovation*, 3(1), 117-124.

Arora, S., Dhingra, K., Babbar, A., & Mishra, U. (2018). Solar trash can: Hygienic and inexpensive solution to open bigger trash cans. *DU Journal of Undergraduate Research and Innovation*, 3(1), 110-117.

Bagai S. (2017). *A Bridge to Mathematics*, 1st Ed., New Delhi: Sage,— Co-Author (Book).

Chaudhary, S., Kaushik, M., Ahmed, S., Kukreti, R., & Kukreti, S. (2018). Structural switch from hairpin to duplex/ antiparallel Gquadruplex at Single Nucleotide Polymorphism (SNP) site of human Apolipoprotein E (APOE) gene coding region. *ACS Omega*, 3(3), 3173-3182.

Chaudhary, S., Kaushik, M., Kukreti, R. & Kukreti, S. (2017). Structural switch from multistranded G-quadruplex to single strands as a consequence of point mutation in the promoter of human GRIN1 gene. *Molecular BioSystems*, 13, 1805-1816.

Dhangar, T. K., Pathak, A. K., & Bhaduri, A., (2018). Identification of essential genes for metabolic reactions in mycobacterium tuberculosis through flux balance analysis. *DU Journal of Undergraduate Research and Innovation*, 3(1), 125-129.

Karan, R., & Biswal B. (2017). A model for evolution of overlapping community networks. *Physica A: Statistical Mechanics and its Applications*, 474, 380-390.

Kaushik, M., Chaudhary, S., Mahendru, S., Ahmed, S., Pathak, A. K., & Kukreti, S. (2017). MicroRNA: A multi-facet biological target for cancer and other diseases. *Clinical Cancer Drugs*, 4(1), 2-9.

Kaushik, M., Singh, A., Kumar, M., Chaudhary, S., Ahmed, S., & Kukreti, S. (2017). Structure-Specific ligand recognition of multistranded dna structures. *Current Topics in Medicinal Chemistry*, 17(2), 138-147.

Kaushik, M., Sonia, Mahendru, S., Tyagi, P. & Kukreti, S. (2017). Multiple dimensions of functional relevance of genosensors. *Integrated Ferroelectrics*, 185, 134-143.

Kumar, S., Kalia, A., & Sharma, A. (2018). Predictive analysis of alertness related features for driver drowsiness detection. *Advances in Intelligent Systems and Computing*, 736. Springer, Cham.

Kumar S., Pal, S. K., Singh, R. P. (2018). A Conceptual architectural design for intelligent health information system: Case study on India. *Quality, IT and Business Operations*. Springer Proceedings in Business and Economics. Springer, Singapore.

Kumar, S., Rai, S., Singh, R., & Pal, S. K. (2018). Machine learning-based method and its performance analysis for occupancy detection in indoor environment. *advances in signal processing and intelligent recognition systems. Advances in Intelligent Systems and Computing*, 678, 240-251.

Kumar, A. (2017) Review of comparative evaluation: Image Steganography. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, 2(5), 518-524.

Mahajan, A., Singh, H. P., & Sukavanam, N. (2017). An unsupervised learning based neural network approach for a robotic manipulator. *International Journal of Information Technology*, 9, 1-6.

Mir, Md. S., & Mishra, N. (2017). Manav Vikas ke Path par Bharat. *Yojana (Hindi)*, 61(5), 43-46

Rani, M., Kumar, N., & Singh, H.P. (2018). Efficient position/force control of constrained mobile manipulators. *International Journal of Dynamics and Control*, 1-10.

Pathak, N., Bhaduri, A., Rai, A. K. (2017) Sesame: Bioactive compounds and health benefits. In: Mérillon J. M., & Ramawat K. (Eds.), *Reference Series in Phytochemistry: Bioactive molecules in food*. Springer Publications, https://doi.org/10.1007/978-3-319-54528-8_59-1.

Ray, A., Bhaduri, A., Srivastava, N., & Mazumder, S. (2017). Identification of novel signature genes attesting arsenic-induced immune alterations in adult zebrafish (*Danio rerio*). *Journal of Hazardous Materials*, 321, 121-131.

Sharma, J., Biswal, B., Tyagi, P., & Bagai, S. (2017). Exploring possibilities for gifted students: A case study from India. *ECHA News*, 31(2), 20-21.

Sharma, G., Kaushal, Y., Chandra, S., Singh, V., Mittal, A. P., & Dutt, V. (2017). Influence of landmarks on wayfinding and brain connectivity in immersive virtual reality environment. *Frontiers in Psychology*, 8:1220.

Singh, H.P., Kumar, S., Kumar, P., & Mahajan, A. (2018). Virtual experimental analysis of redundant robot manipulators using neural networks. *Advances in Intelligent Systems and Computing*, 21-30.

Tyagi, P. (2017). Optical band gap demarcation around 2.15 eV depending on preferred orientation growth in red HgI₂ films. *Physica B*, 510 1-6.

Varshney, V., Saxena, G., Biswal, B., & Prasad, A., (2017). Oscillation death and revival by coupling with damped harmonic oscillator. *Chaos: An Interdisciplinary Journal of Nonlinear Science*, 27(9), 093104.

Research Projects

Office of Principal Scientific Advisor to the Government of India. *Establishing Process Based Identification and Mentoring Practices for Potentially Gifted Children in Science and Mathematics*, 2014-2018, Dr. Jyoti Sharma, Prof. Shobha Bagai, Prof. Pankaj Tyagi and Prof. Bibhu Biswal.

DST-SERB-EMR, *Characterization of the H3 Specific Protease (H3ase) Activity of the Chicken Liver Glutamate Dehydrogenase (GDH)*, 2017-2020, Dr. J.S. Purohit.

Start-Up Research Grant (Young Scientists) by SERB, DST, *Identification of virulence factors involved in the infection process of emerging and neglected food-borne pathogen Campylobacter jejuni*, 2016-2018, Dr. Asani Bhaduri.

Seminars Organized

Talk on “Applications of Fourier Series and Fourier Transform” by Prof. Pradeep G. Siddheshwar, Bangalore University 3rd April 2017.

Talk on “Sending Information Securely: Need for Quantum Key Distribution” by Prof Sibashish Ghosh, IIMSc, Chennai on 24th April 2017.

Leave a Nest, a Japanese organization sponsored by many Japanese companies, as part of their real-tech seed accelerator program Tech Planter conducted a competition at CIC to select innovation and technologies for further development through support from Japanese companies on 29th April 2017.

Leadership lecture series by Mr. Anurag Walia (VP) at Tata Communications Ltd on 16th August 2017.

An interaction of the B.Tech (IT and MI) students with Prof. Manoj Harbola, IIT Kanpur was held on 22nd August 2017.

A talk on Mathematics and Politics by Dr Sudeshna Basu, George Washington University, USA on 24th August 2017.

An interaction of the students and faculty members of Cluster Innovation Centre with Balaji Viswanathan, CEO of Invento Tech, was scheduled on 28th August 2017.

Workshop on Introduction to Open Source by the Rajan Maurya (Alumnus, CIC) and Pawan Pal of CIC on 28th August 2017.

An interaction of the students and faculty members of Cluster Innovation Centre with Janu Verma, Health Care Analytics Research Group, was held on 21st September 2017.

Dr Gyana R Parija, Manager, Analytics and Optimization Research, IBM Research- India delivered a talk on “Cogniculture: Collaborative Cognition in Social Machines” on 16th February 2018.

On 10th of February 2018, a workshop was organized for students of Ramanujan College, the University of Delhi by the Robotics Society AUTONOMI.

Dr Manish Sharma, Principal Architect at Piney Bowes, delivered a talk on "Machine Learning and AI: A new renaissance in Operations Research and Statistics" on 22nd March 2018.

A one day lecture-cum-workshop on Digital Humanities was organized on 13th April 2018. The experts included Dr Patricia Murrieta-Flores, Co-Director of the Digital Humanities Hub and Dr Deborah Sutton, Senior Lecturer in South Asian History from Lancaster University, United Kingdom.

Seminar/Conference Presentations

Professor B. Biswal, "National Conference On Technology Transfer At MSME Clusters, National and Institutional Levels" organized on 30th June 2017 at PHD Chamber, New Delhi: Academic partner with PHD Chamber of Commerce & Industry.

Prof Shobha Bagai,

- Invited talk on "Construction of Fire Altars and Geometry in Ancient India", National workshop on Science and Technology in Ancient India, Zakir Hussain Delhi College, 18th April 2017, Delhi.
- Invited talk on "Modeling Infectious Diseases: Childhood Diseases", International Conference of Mathematics and Applications, Ramjas College, 26-28 April, 2017.
- Invited talk on "Problem based learning in Mathematics at UG level", 32nd Annual conference of the Ramanujan Mathematical Society, 23-25 June, 2017.
- Invited talk on "Effect of variable fluid properties on free convection flow in porous medium saturated by nanofluids", International conference on fluid dynamics and its applications, Bangalore, 12-14 July 2017.
- Invited talk on "Mathematics Drills to Thrill Gifted Students", 8th Conference on Technology and Innovation in Mathematics Education, Kochi, 7-10 December, 2017.
- Invited talk on "Role of Students in Technology Enabled Learning – Challenges and Prospects", IQAC students seminar, PSGR Krishnammal College for Women, Coimbatore, 2nd March 2018.

Dr. Mahima Kaushik

- Extension lecture on "Exploring Nucleic Acids Based Applications Via Nanotechnology" in Department of Chemistry, Jamia Millia Islamia University, Delhi on 27th march 2018.

Sonia, Komal, S. Kukreti, M. Kaushik

- A Physicochemical approach to study and compare the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA; International Conference on "Emerging Trends in Drugs Development and Natural-Products", Department of Chemistry, University of Delhi, from January 12-14, 2018
- A Physicochemical approach to study the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA: A physicochemical approach; One-day Indo-Hungarian symposium on "Recent advances in chemistry and biology" (INHCAB-2017) on 11 December, 2017
- Unravelling the binding of Calf Thymus DNA with metal nanoparticles: A comparative study of chitosan and citrate stabilized gold nanoparticles Trends in Nanobiotechnology (Biotikos), Teri University, Delhi. (28-29 September, 2017)

Komal, Sonia, S. Kukreti, M. Kaushik

- An environmentally benign approach to synthesize Silver nanoparticles using *Epipremnum aureum* leaf extract and its interaction studies with Calf Thymus DNA; One-day Indo-Hungarian symposium on "Recent advances in chemistry and biology" (INHCAB-2017) on 11 December, 2017

Neelam, M. Kaushik

- Hydrothermal synthesis of magnetite nanoparticles and their interaction with DNA FBR-2018 11th symposium on frontiers in biomedical research challenges in human health: Prevention, Diagnosis and cure, ACBR, Delhi university from 19-21st February, 2018.
- Hydrothermal Synthesis, characterization and interaction of 3-aminopropyl-trimethoxysilane (APTS) coated super paramagnetic Fe₃O₄ nanoparticles with DNA. National conference on innovations in Sciences and emerging challenges in health and environment (NSHE-2018), Department of chemistry, Daulat Ram College Delhi university (20th March 2018).

N. Sarkar, R. S. Sharma, M. Kaushik

- Environment friendly Green Synthesis of NiO Nanoparticles: Characterization and Interaction with DNA; ACBR sponsored conference titled “11th Symposium on Frontiers of Biomedical Research,” on 19th Feb 2018
- Environment friendly Green Synthesis of NiO Nanoparticles: Characterization and Potential use in Environmental Pollutant Detection & Remediation; National Conference on Chemical Science: Opportunities and Challenges,” on 20 March 2018
- Oral Presentation on “Green Synthesis of NiONP, Characterization, interaction with CT-DNA & Potential in Environmental Remediation” Society for Environment and Development (SED), Swami Shraddhanand College sponsored national conference titled, “Emerging Environmental Challenges and Sustainable Development,” (22-03-18)

Amit Singh, M. Shoaib, M. Kaushik

- Green synthesis of Zinc oxide nanoparticles from Azadirachta indica leaf extract and their interaction with Calf thymus DNA Trends in Nanobiotechnology (Biotikos), Teri University, Delhi. From 28-29 September, 2017

M. Shoaib, A. Singh, M. Kaushik

- Biosynthesized silver nanoparticles from eucalyptus leaf extract and their interaction of Calf Thymus-DNA Trends in Nanobiotechnology (Biotikos), Teri University, Delhi from 28-29 September, 2017

Amit Singh, M. Shoaib, M. Kaushik

- Physicochemical Studies of biosynthesized silver nanoparticles and their interaction with Calf-Thymus DNA Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

M. Shoaib, A. Singh, M. Kaushik

- Physicochemical studies of silver nanoparticles prepared using Epipremnum aureum leaves extract with Calf Thymus DNA. Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

Komal, Sonia, S. Kukreti, M. Kaushik

- Physicochemical study of gold nanoparticles synthesized through Green as well as Chemical method: Interaction with Calf Thymus DNA and the role of stabilizing agent Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

Dr. Asani Bhaduri

- Invited for a talk on Citizen Science at Ramjas College, 28th March 2018. Also invited as resource person and delivered a talk on “Birds of India” in the Workshop "Birds: Watching and Beyond" at Centre for Earth Studies, Indraprastha College for Women, 27 March, 2018.
- Delivered a talk on “Citizen Science: Stopgap Research or Way Forward” at Centre for Studies in Science Policy, JNU, 7th February 2018
- Invited to Consultative Roundtable Dialogue “Humanities matter” at IIC, 19th July 2017.
- Special Invitee in “Vidyarthi Vigyan Manthan” 2016-17, National Camp conducted at IIT Delhi, 27-28th May, 2017.
- Successfully completed Orientation Course with “A” grade at CPDHE, University of Delhi, November 21- December 19, 2017.

Dr. M. Saleem Mir

- Resource person for ‘Heritage and Tourism Management’ course offered by Ram Lal Anand College, DU (Feb-June 2018)
- Guest Lectures delivered at IITTM Noida (MBA-Tourism), on 23rd and 24th Jan 2018.
- Guest Lectures delivered at IITTM Noida (BBA-Tourism) in February 2018.
- Successfully completed Orientation Course with “A” grade at CPDHE, University of Delhi, November 21- December 19, 2017.

Anjani Kumar Verma

- Presented Paper in Conference: Anjani Kumar Verma, Dr. Veer Sain Dixit “A Comparative Evaluation of Profile Injection Attacks”, in the proceedings on ICDIS-2017 held by Indira Gandhi National Tribal University, Amarkantak, M.P., India, on 17th-18th November 2017.

Paper presentations in National/International Conferences by Students

- Gandharva Mishra, Paper presentation at 9th International Conference on Mathematics Education and Society (MES), Volos, Greece, 2017
- Akash Kumar Saini, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Namrata Nigam, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Preeti Chaudhry, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Rabia Malik, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Robin Sharma, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Parul Sethi, Presented the talk "Visualizing topic models" at PyCon UK 2017 conference.
- Akash Kumar Saini, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Namrata Nigam, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Rabia Malik, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Robin Sharma, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Preeti Chaudhry, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Ayush Sharma, Presented a paper on "Analysis of Lightweight Block Cipher FeW on the Basis of Neural Network" in ICHSA-2018. (It is accepted as a chapter in "Harmony Search and Nature Inspired Optimization Algorithms", Springer Nature Singapore Pte Ltd)

National/International MoUs Signed

An MoU was signed on 22nd November 2017 between Design Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry. A Short Course on Innovation & Entrepreneurship– Organize events jointly to propagate Design Thinking & Innovation

An MoU was signed on 22nd November 2017 between Cluster Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry

Placement Details

M.Sc. (Mathematics Education): 06

B.Tech. (IT & MI): 31

B.A. (H&SS): 06

Extension & Outreach Activities

B. Tech (IT and Mathematical Innovations):

Peer learning is a very important aspect of students learning experience at CIC. Regular workshops are held by the students for the students, to share the knowledge amongst them.

Workshops conducted by the Computer Society

‘Intro to CS’ series of workshops: 1st, 8th & 15th September, 2017

PyDelhi Meetup: Software Freedom Day 2017, 16th September, 2017

Android App Development Workshop, 23rd, 30th September, 7th October, 2017

Cluster Innovation Centre's Month of Code, Jan – March 2018

Workshops conducted by the Robotics Society Autonomi

Boot Camp - A series of Introductory and Hands on workshops on robotics conducted every year during fall semester for new students to generate interest and get familiar with basic technologies in robotics (Sep 2017 - Oct 2017)

Hands on workshops for teachers (from various schools all over the India) to teach them physics behind robotics and how to involve new students towards robotics, 25th and 26th Sep 2017.

Workshop for Ramanujan College Students on “Make your first robot - Wall Following Robot”. Aim of this workshop was to introduce students how computer science is integrated with robotics, who are already familiar with beginner/intermediate computer science. 10th Feb 2018.

Faculty Strength

Professor: 04

Associate Professor: 4

Assistant Professor: 14

Other Significant Information

M.Sc. (Mathematics Education): Under the Concept of ‘Meta University’: It is a joint post-graduate degree programme of DU and Jamia Millia Islamia. Various departments of DU like CIC, Central Institute of Education, Institute of Life Long Learning and various departments of JMI like AJK Mass Communication Research Centre, Mathematics Education are associated in jointly delivering this course. Every course at CIC has “Innovation Projects” as an integral part of curriculum which require students to work under the guidance of faculty mentors at different institutes and places.

B.Tech (Information Technology & Mathematical Innovations): Students of all streams: (Science, Commerce and Art) take admission in this course. The Course structure is such that teaching faculty of Mathematics, Physics, Biology, Computer Science, Electronics, English, Environmental Science, Economics and Management are all involved in delivering this course. Project based learning is an integral component of the curriculum at CIC as they inculcate an innovation mindset as part of the curriculum and pedagogy.

B.A. Honours (Humanities & Social Sciences): Under the Concept of ‘Meta College’: Students of all streams: (Science, Commerce and Arts) take admission in the course. The course structure gives freedom to the students to design their own degree. In addition, the meta concept offers the students the choice to opt for courses in around 80 colleges within DU and design their own degree. In this process, many departments of various colleges are involved in the course.

COMPUTER CENTRE

Major Activities and Achievements

Delhi University Computer Centre (DUCC), act as epicenter to facilitate ICT infrastructure across the University of Delhi's Offices, Faculties, Departments and Colleges. During the last one year (2017-2018), DUCC continued to strengthen ICT Infrastructure and Services at University of Delhi for the benefit of its stakeholders. As the central hub for all the ICT related activities, DUCC served the Internet and Wi-Fi connectivity across the University. Network was planned and maintained to ensure maximum availability of network and services running on it. Wi-Fi system of DU enables internet access to all students/faculty/staff across a variety of devices like laptop, smart phones, tablets etc. As DUCC is consider as Datacentre, various Servers are available to link up varied utilities and on-line applications of the DU, e.g. Examination application, DU results, e-Mailing system, DU Library system, Braille Library, UG Admissions, FSR Admissions, Enrollment Data Management System, Online Recruitment etc. At present there are more than 100 servers and network equipment hosted at DUCC Datacentre. Apart from Datacentre DUCC also provision e-Mailing Service, Management of DU main Web-Site, Web Hosting services for Colleges / Departments / Centres, Faculty Members Web Hosting Services, e-Procurement & GeM, Bio-metric

attendance management and Training covering all the verticals starting from the basic to advance courses in Excel, SPSS, Matlab, Web Designing which are useful for teaching, research tools, and project taken by the students.

DUCC New Initiatives

University Information Management System (UIMS)

Software was designed to facilitate the storage, organization and retrieval of University Information of different segments of the University (UIMS) as: University Admission Management System. Its application includes:

Admission process for all UG, PG and P.hD Students.

Ease of Access: Platform Independent

Efficient Application Process

Real Time Statistics

Inbuilt Analytics Engine

Integration with Helpdesk

Student Lifecycle Management

Examination Management System

Training & Placement System

Alumni Management System

Online Certificate Management System

Online Thesis Submission

Online Thesis Abstract Submission

Student Grievance Redressal

Recruitment Management

Faculty Recruitment

Non-Teaching Staff Recruitment

Master Record System: For Colleges & Departments

Leave Management System

Finance Management: Payroll & Grants Management System

Research Project Management

Asset Management System

Estate Management System

Inventory Management System

Document Management System

File Tracking System

File Retrieval System

University Information Portal

Online Internal Quality Assessment Cell

Core Communication System

University Helpdesk

Other Portals

Automated Enrollment Number Generation

University Examination Management System

Security Management System

RTI Management System
DUFORGE: Central FOSS Repository
DU-Connect

Undergraduate Admissions (Merit Based) 2017-2018

DUCC was entrusted upon the responsibility to develop the online Registration Portal for UG Admissions (2017-18) including the college portal for admissions. DUCC successfully implemented the same within a limited period. Portal was designed as per the best practices in such a way that all the resources were fully utilized and hardly any downtime was observed and fully operational even on peak loads. Appropriate alerts were generated if the applicant was approved in some college and other college tries to admit him/her. More than 3 lakh applicants registered successfully, approx. 2.2 lakh Applicants successfully paid the Registration Fee, 1 lakh transaction handled of applicants who paid the admission fee. Categories wise evaluation and processing was fully automated, like Sports, PWD, Ward, NCWEB. Female Applicants from Delhi were automatically registered for NCWEB if they selected B.A. (Programme) or B.Com in regular stream.

Automated online collection of Registration and College Fee system was started. This includes all type of adjustment and re-calculations, i.e, Admission fee of the applicant adjusted automatically if he/she withdrawn from one college and took admission in other college, refund balance if paid extra amount etc. All the payments made by the Applicant were shown on the Dashboard of Applicant. API was developed for Minority colleges to verify if the fee is paid by applicant on admission portal.

Cut offs were taken online from colleges and were approved by Registrar's office online. Executive Summary was provided to each college for finalizing the cut off. Admission summary (Course Wise, Category Wise, cut off wise) was provided to college on its dashboard for ready reference.

Web Designing Support

List of New Websites designed at DUCC includes:

Health Centre – <http://healthcentre.du.ac.in>

Institute of Cyber Security and Law – <http://icsl.du.ac.in>

NCC – <http://ncc.du.ac.in>

NSS – <http://nss.du.ac.in>

Foreign Students' Registration new Website - <http://fsr.du.ac.in>

NAAC SSR – <http://naac.du.ac.in/ssr>

Faculty of Social Science - <http://fss.du.ac.in/>

Alumni eZine Version 5 – <http://alumni.du.ac.in>

e-Journal Volume 4 Issue (DUJURI) - http://journals.du.ac.in/ugresearch/vol3_1.html

Law Centre II – <http://lc2.du.ac.in>

Placement Cell, Department of Anthropology - <http://ssipc.anthro.du.ac.in/>

Provisioning of ICT VPS to different units of the University Webcast

94th Annual Convocation

Speech on India and Germany – Ideas and Perspectives” by Frank-Walter Steinmeier President of Federal Republic of Germany.

Live Streaming

Provisioning of technical infrastructure for core events of DU viz. AC/EC meetings, Court Meeting and other key events/meetings. This includes Wi-Fi setup, computing facilities etc.

Management of e-Procurement and GeM

Single point of solution to all e-Procurement and GeM related utilities are provided to DU community.

Following key supports are provided to administrative units and departments:-

- Provisioning and facilitating of GeM accounts. During this period around 180 members from 65 DU Divisions are participating GeM and 460 orders of value 60 lakhs has been initiated.
- Provisioning and facilitating of e-Procurement accounts. Approx. 400 DU users are registered for e-Procurement and 1800 tenders of value 8098.27 lakhs were float through e-Procurement.
- Special Training program conducted on “Implementation of GeM for e-marketing” for the officials of DU. Approx. 130 number of DU officials/faculty from various Administrative Offices/ Departments/ Colleges were attended this training.

Training Conducted at DUCC

DUCC has organized four training programs for throughout the year for the faculty, staff, Research Scholars, PG students, college system administrator/ technical staff covering all the verticals starting from the basic to advance courses in Excel, SPSS, Matlab, Web Designing which are useful for teaching, research tools, and project taken by the students.

BioMetric Attendance System

Biometric Attendance System Server, has been managed at DUCC. At present 87 Biometric attendance machines are working at various locations in Delhi University (North Campus) which includes VC office, Examination building, New Administrative Block, Health Centre, various Faculties & Departments including hostels.

For effective monitoring of biometric attendance system, about 135 Login ID's with password were provided to Department Heads and all the designated officers like Assistant Registrar/Deputy Registrar etc. They have viewing rights to access the attendance reports of their departments on daily, monthly or yearly basis. Reports can be exported and saved in various formats like excel, pdf, rtf, word, rpt etc.

Biometric Attendance System generates various reports, i.e., Attendance Register, Late Comers Report, Absentees Report, Analytical Summary of individual employees, Graphical Report for all the employees for required time period, Email feature to send Attendance Summary to all the departments and individual employee as and when required by DUCC.

DUCC continue to provide the following Network License Software for the use of DU faculty, staff, research scholars, PG & UG Students: SPSS V 22 + AMOS (Windows 32 bit & 64 bit, Unix and Mac platform), Matlab R2014b (Windows 32 bit & 64 bit, Unix and Mac platform), SigmaPlot 12 (for Windows Only), Jaws Server (for Windows Only).

D. S. KOTHARI CENTRE FOR SCIENCE, ETHICS AND EDUCATION

Major Activities and Achievements

The Prof. D. S. Kothari Centre for Science, Ethics and Education is a vibrant Centre with many activities and resources to enrich the intellectual lives of students and faculty in Delhi University. We publish Working Papers every year on themes relating to education, ethics and science. This year we have published two working papers for private circulation. We also organize conferences and seminars. We have organized one conference in collaboration with the Dept. of Education (CIE) and the Dept. of Sociology, University of Delhi, as well as the annual D. S. Kothari Memorial Lecture this year. We also have a good collection of books for students and teachers. In total we have purchased 19 books this past year.

Publications

Kaur, Navdeep., (2017-2018). *Challenges of Language Learning: A case Study of Rishi Valley School*, I, page: 27

Thapan, Meenakshi., (2017-2017). *Self - Knowledge and Relatedness*, II, page: 16.

Seminars Organised

The Prof. D. S Kothari Memorial Lecture was delivered by Professor Nandini Sundar, Dept. of Sociology, University of Delhi on "*The books that I would have liked to write: ethics, accidents and ethnography*" on October 11, 2017 at Dept. of Sociology, Delhi School of Economics, University of Delhi. The lecture was chaired and moderated by Professor Meenakshi Thapan, Dept. of Sociology, Delhi School of Economics, University of Delhi.

Conferences Organised

Organised a two day conference on 15-16 February, 2018 on “*Identities and Education*” in collaboration with Dept. of Sociology and Dept. of Education, University of Delhi.

Other Significant Information

Membership in professional bodies:

Head, D. S. Kothari centre for science, ethics and education is a:

Member, Advisory Board, new Series on *Crossing Borders in a Global World: Applying Anthropology to Migration, Displacement, and Social Change*, edited by Nancy Konvalinka and Raul Sanchez Molina (UNED, Madrid), Lexington Books.

Member, Expert Group, Preparation of University curricula on *Diversity and Discrimination in Higher Education* at NUEPA, December, 2016 onwards.

Member, ICSSR Research Advisory Committee on *Diversity and Discrimination in Higher Education* at NUEPA, 2014 onwards.

Invited to serve as Senior Editor for The Oxford Encyclopedia of Qualitative Research Methods in Education. Oxford University Press, USA 2016 onwards.

DEVELOPING COUNTRIES RESEARCH CENTRE

Major Activities and Achievements

The Centre organized various academic activities in 2017-18 with distinguished national and international visitors receiving wide media coverage which is an achievement in itself. Regular Monthly Lectures, Interactive Discourses, National and International Seminars & Conferences and Workshops have made the Centre a competitive research hub in the discipline of social sciences apart from creating awareness on significant issues like environmental problems. Believing in continuity with sustainability the Centre is publishing consecutive issues of its Quarterly Newsletter and Annual Report. After the successful completion of project *Samiksha*: UP Assembly Election Survey, another project *Samiksha*: Delhi Municipal Election, 2017 with its apt electoral results has strengthened our presence in the academic forum as an emerging psychological Center of the country. With the support of ICSSR, the Centre also ventured into imparting methodological training to young faculty members, researchers and scholars across universities/colleges of the country under Capacity Building Program.

Honours/Distinctions

Prof Soumendra M Patnaik, Member, Advisory Committee of the Centre is appointed Vice Chancellor of Utkal University, Odisha.

Prof Kaushal Kumar Sharma, fellow, dcrc is appointed as the Proctor at Jawaharlal Nehru University in 2017.

Dr Vandana Mishra, Deputy Director, dcrc and Assistant Professor at Centre for Comparative Politics and Political Theory, Jawaharlal Nehru University received IPSA National Young Political Scientist Award-2016 at the IPSA National Conference in Chennai on 15 November 2017.

Dr Bhuwan Kumar Jha is selected for the Nehru Memorial Fellowship in 2018.

Publications

DCRC Annual Report 2017-2018

Four Issues of Quarterly Newsletter Vol.2 No. 3-4 and Vol. 3 No.1-2

Annual Calendar

Projects

Delhi Municipal Elections Survey Project: *Samiksha*, April 2017.

ICSSR sponsored two-week *Capacity Building Program*, 16-29 May 2017, Rs. 9.40 Lakhs.

Seminars Organised

A Seminar on 'Comparative Theory Today: Changes and Challenges' was organised on 12 March 2018. Professor Subrata Mukherjee, formerly Professor at the Department of Political Science, University of Delhi delivered the keynote address and Prof Ujjwal K Singh and Prof Mahdulika Banerjee from the Department of Political Science, University of Delhi chaired the pre-lunch and post-lunch sessions of the seminar respectively.

Organised Grassroots Social Science Colloquium on 'Naxalism' on 27 February 2018. Mr Shubhanshu Choudhary eminent Journalist, Chhattisgarh and Dr Himanshu Roy, Senior Fellow, Teen Murti were the panelists.

The Centre's Foundation Day Lecture was delivered by renowned author and thinker Sh. Sushil Pandit on 'Kashmir: Present Challenges in Historical perspective' on 20 April 2017. Prof. Sangit K. Ragi, Department of Political Science, University of Delhi chaired the program and Sh. R K Saraf, Senior Official, Government of India was the Guest of Honour.

The Centre organises a monthly lecture on the first working Friday of every month. In this series, the tenth lecture was delivered by renowned thinker and activist, Shri K N Govindacharya on 14 July 2017 on the topic 'Swadeshi Model and Ecology'. The session was chaired by Prof Yogesh Atal, formerly Principal Director, UNESCO.

The eleventh monthly lecture was delivered by Prof. Shanta Nedungadi Varma, Department of Political Science, University of Delhi on the theme 'The Human Rights Discourse: The Significant Realm of the International' on 31 January 2018.

Organized interactive sessions on various contemporary topics. An Interactive Discourse was organised on 21 August 2017 on the theme 'Pitching Research Seminar'. Prof. Robert William Faff and Mr. Alistair Laurenceson from Queensland University, Australia were the resource persons.

Another interactive discourse was held on 26 September 2017 on the theme 'Understanding Subalterns in Contemporary Times'. Prof. Sunil K Choudhary, Director, dcrc delivered the keynote address.

Organized an interactive discourse on the most current topic of national debate, 'One Nation, One Election' on 28 December 2018. The program was chaired by Dr. Devender Kakar, Member of the Advisory Committee of the Centre with Prof. Sunil K. Choudhary delivering a statistical presentation.

Conferences Organized

Developing countries research centre along with Department of Political Science organized a two-day National Conference on 'Democratizing Governance in India' was organized under UGC CAS-SAP II Program on 14-15 September 2017 at the Faculty of Social Sciences, University of Delhi. Renowned personalities like Prof. Ashish Nandy, Eminent Social Scientist; Prof. Gurpreet Mahajan, CPS, School of Social Sciences, JNU; Dr. Chandan Mitra, Eminent Journalist and former member of Rajya Sabha; Prof. Shri Praksh Singh, Department of Political Science, University of Delhi; Dr. Swapan Dasgupta, Senior Journalist and Member of Rajya Sabha; Prof. Rekha Saxena, Department of Political Science, University of Delhi; Shri Shakti Sinha, Director, Nehru Memorial Museum and Library; Prof. Deepak Pental, Eminent Scientist; Prof. Amita Singh, Centre for the Study of Law and Governance, JNU and Smt. Aruna Roy, Social Activist addressed the audience.

Students under Exchange Program- Inbound/Outbound

The Centre regularly host foreign visitors including academics and research scholars. Two research scholars, Lenka Homolkova, Ph.D. Scholar from Masaryk University Brno, Czech Republic and Megan Bell, an American student from Dickinson College in Pennsylvania visited our Centre in 2017 and as part of their study projects interviewed Professor Sunil K Choudhary, Director dcrc on electoral politics in India.

Extension and Outreach Activities

After the success of 'Samiksha: UP Assembly Election Survey' in 2017, the Centre undertook 'Samiksha: Delhi Municipal Election Survey, 2017' with Dr. Ramesh K. Bharadwaj, Joint Director, dcrc as Convener through which we were able to involve and impart empirical training to a large number of students from across the colleges of University of Delhi.

Faculty Strength

Other Significant Information

The Centre organized ICSSR sponsored two week Capacity Building Program from 16-29 May 2017. In its Inaugural session the keynote speaker was renowned personality Prof. Yogesh Atal, formerly Principal Director, UNESCO and the Chair of the session was Dr. Devender Kakar, Advisory Member, dcrc, University of Delhi. Other Sessions had eminent resource persons from different disciplines and prestigious Universities of the country like University of Delhi; Jawaharlal Nehru University; Centre for the Study of Development Societies; Indira Gandhi National Open University; Kumaun University, Nainital; BR Ambedkar University; TISS, Mumbai; Banaras Hindu University; Nehru Memorial Museum and Library, Teen Murti; Indian Institute of Public Administration, New Delhi; Mahatma Gandhi Antarrashtriya Vishwavidyalaya, Wardha, Gandhi Nagar, Gujarat; NCERT, New Delhi; Competition Commission of India, Indian Institute of Mass Communication, New Delhi; Jadhavpur University, West Bengal; NATRSS, Govt of India. The program concluded with the Valedictory session comprising eminent personalities Shri Ajay Mehra, Chief Commissioner, Madhya Pradesh as Chief Guest and Prof. K G Suresh, Director General, Indian Institute of Mass Communication, New Delhi as the keynote speaker.

The Centre celebrated 'Constitution Day' on 26 November 2017 at the Centre with the Oath ceremony of the Preamble undertaken by all the participants who pledged to imbibe the basic postulates of the Constitution in their lives.

DCRC and its programs have received wide coverage in leading national newspapers and media. 'Samiksha: 2017', DCRC Election Survey Report received wide acclaim in media. Recently Professor Choudhary was also invited by Lok Sabha TV and Rajya Sabha TV to discuss India-Israel relations in programs like 'Insight' and 'Public Forum'.

Keeping up with digital India, DCRC launched its twitter handle @drcrcofficial in May 2017. Within a short time it has garnered hundreds of likes and followers making a mark at the social media platform.

DR. B. R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH

Major activities and achievements

The center kept its high standards with a number of publications. ACBR conducted Summer Undergraduate Research Program (SURP) which gave the students hands-on training on high-end state of the art equipment for 8 weeks. Leading scientists educated them on combining basic with translational research. This year also ACBR invited M.Sc. students from Mysore University for a one-day visit. The center organized and conducted the 8th workshop on 'Bioinformatics and Molecular Modeling in Drug Design', wherein students from across the country were given hands-on experience in using the various tools in bioinformatics. Experts educated trainees on using techniques and incorporating them in their research. The Center also organised the 11th symposium on *Frontiers in Biomedical Research, Challenges in human health: Prevention, Diagnosis and Cure*. Leading scientists and young scholars from across the country presented their work including a Public Lecture on taking innovations to the Market.

Honours/Distinctions

Dr Anju Katyal: The 4th European Stroke Organisation Conference (ESOC 2018) Travel Grant.

Dr Manisha Yadav: Awarded Long-Term Foreign Fellowship from Ministry of Health and Family Welfare, Department of Health Research, Govt of India, India

Publications

Agarwal, S., Kumari, N., & Pratibha M. Luthra. (2017). Pharmacological assessments of potent A2A receptor antagonist IDPU (1-(7-imino-3-propyl-2,3-dihydrothiazolo[4,5-d]pyrimidin-6(7H)-yl)urea) in rodent model of Haloperidol induced Parkinson like symptoms. *Neuroscience Letters*, 647, 53-60.

Agrawal, V., Chopra, M., Kapoor, H., Mahapatra, S. C., & Yadav, N. (2017). Strong anti-tumorous potential of Nardostachys jatamansi rhizome extract on glioblastoma and In Silico analysis of its molecular drug targets. *Current Cancer Drug Targets*, 17(1).

- Arya, R., Gyonjyan, S., Harding, K., Li, Y., Sarkissian, T., White, K., & Zhou, L. (2018). A Cut/cohesin axis alters the chromatin landscape to facilitate neuroblast death. *BiorXiv*, doi: <https://doi.org/10.1101/299164>.
- Akhter, M., Dixit, R., Katyal, A., Mishra, P. K., Pandey, K. C., Rathi, B., Saxena, A. K., Sharma, R., Singh, A. P., Singh, J., & Vandana. (2018). Biochemical characterization of unusual cysteine protease of *P. falciparum*, metacaspase-2 (MCA-2). *Molecular and Biochemical Parasitology*, 220, 28-41.
- Arora, R., Gusain, S., Manral, A., Meena, P., Saini, V., Tiwari, M., & Saluja, D. (2017). Novel synthetic analogs of diallyl disulfide triggers cell cycle arrest and apoptosis via ROS generation in MIA PaCa-2 cells. *Pharmacological Reports*, 69(4), 813-821.
- Bandyopadhyay, U., Bhattacharyya, K., Brahmachari, V., Chadha A. P., Gupta, B. T., Malhotra, P., Natarajan K., Popli, S., Raman, R. & Singh, Y. (2017). Suppression of toll like receptor 2 mediated pro-inflammatory responses by *mycobacterium tuberculosis* Protein Rv3529c. *Journal of Leukocyte Biology*, 102, 1249-1259.
- Bhatia, J., Chandra, S., Narang, R., Saluja, D., & Srivastava, K. (2018). E-selectin gene in essential hypertension: a case-control study. *European Journal of Clinical Investigation*, 48, e12868.
- Bhardwaj, M., Kumar, A., Mishra, P. K., Mittal, P., Saluja, D., Sharma, V., Sonkar, S. C., Wasnik, K. (2017). Inadequate management of stis in obstetrics and gynecology using syndromic case management: lessons to learn. *Scientific Reports*, 7(1), 1465.
- Bakshi, R., Bhattacharyya, K., Brahmachari, V., Jain, S., Narang, A. (2017). Distinguishing between biochemical and cellular function: Are there peptide signatures for cellular function of proteins? *Proteins*, 85(4), 682-693.
- Brahmachari V., Kohli, S., Sharma, V., (2017), Correlation between desiccation stress response and epigenetic modifications of genes in *Drosophila melanogaster*: an example of environment-epigenome interaction. *Biochimica et Biophysica Acta- Gene Regulatory Mechanisms*, 1860(10), 1058-1068.
- Brahmachari, V., Ghasemi, M., Maini, J., Thakur, S. S., & Yandhuri, D. (2017). Human PRE-PIK3C2B, an intronic cis-element with dual function of activation and repression. *Biochimica et Biophysica Acta*, 1860(2), 196-204.
- Bose, M., Chandolia, A., Chopra, M., Kumar, A., Pathak, R., Saini, N. K., Singh, P., Sinha, R., ... (2018). Methyl-accepting chemotaxis like Rv3499c (Mce4A) protein in *Mycobacterium tuberculosis* H37Rv mediates cholesterol-dependent survival. *Tuberculosis*, 109. <https://doi.org/10.1016/j.tube.2018.01.004>.
- Chandra, R., Katyal, A., Jyoti, K., Jain, U. K., Madan, J., & Soni, N. (2017). Noscapiroids bearing silver nanocrystals augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in B16F1, mouse melanoma skin cancer cells. *Biomedicine & Pharmacother*, 90, 906-913.
- Chandra, R., Jyoti, K., Katyal, A., Madan, J., Soni, N., & Jain, U. K. (2018). Corrigendum to "Noscapiroids bearing silver nanocrystals augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in B16F1, mouse melanoma skin cancer cells. *Biomed. Pharmacotherapy*, 90, 906-913.
- Chandra, B. Mishra, Dong Kee Jeong, Manisha Tiwari, Raj Kumar Mongre, & Shikha Kumari. (2017). Novel Triazole-Piperazine Hybrid Molecules Induce Apoptosis via Activation of the Mitochondrial Pathway and Exhibit Anti-tumor Efficacy in Osteosarcoma Xenograft Nude Mice Model. *ACS Chemical Biology*, 12(3), 753-768.
- Chhikara, A., Chopra, M., Kumar, P., & Wasim, L., (2017). Co-delivery of Vorinostat and Etoposide Via Disulfide Cross-Linked Biodegradable Polymeric Nanogels: Synthesis, Characterization, Biodegradation, and Anticancer Activity. *AAPS PharmSciTech*, 19(2), 634-647.
- Chhikara, A., Chopra, M. Kumar, P., & Yadav, N., (2017). Combinatorial solid phase synthesis: techniques, characterization and its application in drug development, *Current Biochemical Engineering*, 4(1), 9-33.
- Chopra, M., & Wasim, L. (2018). Synergistic anticancer effect of panobinostat and topoisomerase inhibitors through ROS generation and intrinsic apoptotic pathway induction in cervical cancer cells. *Cellular Oncology*, 41, 201-212.
- Chopra, M., Chowdhury, J., Jha, P., Kumari, S., Mishra, A. K., Sikka, M., Verma, P., ... (2017). Identification of potent cholecystokinin-B receptor antagonists: Synthesis, molecular modeling and anti-cancer activity against pancreatic cancer cells. *Medic Chem Comm*, 8(7), 1561-1574.

Chopra, M., Chhikara, A., Kumar, P., & Yadav, N. (2017). Development of 1,3,4-oxadiazole thione based novel anticancer agents: Design, synthesis and in-vitro studies. *Biomedicine and Pharmacotherapy*, 95, 721-730.

Chosdol, K., Das, B. C., Jalota, A., Kumar, M., Sinha, S., & Yadav, A. K. (2018). A drug combination targeting hypoxia induced chemoresistance and stemness in glioma cells. *Oncotarget*, 9(26), 18351-18366.

Choudhary, R., Katyal, A., Malairaman, U. (2017). Inhibition of 12/15 LOX ameliorates cognitive and cholinergic dysfunction in mouse model of hypobaric hypoxia via. attenuation of oxidative/nitrosative stress. *Neuroscience*, 359, 308-324.

Dixit, A. B., Srivasatava, A., Sarkar, C., Paul, D., Banerjee, J., Tripathi, M., & Chandra, S. P. (2017). Comparative analysis of cytokine/chemokine regulatory networks in patients with hippocampal sclerosis (HS) and focal cortical dysplasia (FCD). *Scientific Reports*, 7(1), 15904.

Dixit, A. B., & Banerjee, J. (2018). Epileptogenesis, Section 4 Epilepsy, IAN textbook of Neurology, 1st edition, Jaypee Brothers Medical Publishers, ISBN 978-93-5270-179-7.

Jinghan, N. K., Yadav, A., & Vashishtha, V. (2018). Antagonistic role of GSK3 isoforms in glioma survival. *Journal of Cancer*, 9(10), 1846-1855.

Joon, D., Nimesh, M., Saluja, D., Varma-Basil, M. (2017). Evaluation of improved IS6110 LAMP assay for diagnosis of pulmonary and extra pulmonary tuberculosis. *Journal of Microbiological Methods*, 139, 87-91.

Katyal, A., Mehta, V., Patel, S. S., Ray, R. S., Sharma, A., & Udayabanu, M. (2018). Antidepressant and anxiolytic like effects of *Urtica dioica* leaves in streptozotocin induced diabetic mice. *Metabolic Brain Disease*, doi: 10.1007/s11011-018-0243-1.

Khorramdelazad, H., Jafarzadeh, A., Malla, N., Nemati, M., & Yadav, M. (2018). Humoral and T cell-mediated immune response against trichomoniasis. *Parasite Immunol*, 40(3), doi: 10.1111/pim.12510.

Lal, N., Pratibha, Luthra, M., Kumar, R., & Nemaysh, V. (2018). Demethoxycurcumin mediated targeting of Mn-SOD leading to activation of apoptotic pathway and inhibition of Akt/NF- κ B survival signalling in human glioma U87 MG cells. *Toxicology and Applied Pharmacology*, 345, 75-93.

Mehta, P., Luthra, & Nemaysh, V. (2017). Computational analysis revealed K634 and T681 mutations modulate 3D-structure of PDGFR- β leading to sunitinib resistance. *RSC Advances*, RA-ART-01-2017-001305.R.

Nagarjuna, D., Yadav, M., Gaiind, R., & Dhanda, R. S. (2017). Whole Genome Shotgun sequence of *Escherichia coli* strain MN067 from India: A commensal with a potent pathogenic ability. *Genome Announcements*, 23, 5(12). pii: e00054-17.

Sharma, D., Kumari, N., Luthra, Kumari, R., & Agrawal, S. (2018). Neuroprotective effect of IDPU (1-(7-imino-3-propyl-2,3-dihydrothiazolo [4,5-d]pyrimidin-6(7H)-yl)urea) in 6-OHDA induced rodent model of hemiparkinson's disease. *Neuroscience Letters*, 675, 74-82.

Sharma, D., Kumari, N., Luthra, P. B., Kumari, R., & Agarwal, S. (2018). Neuroprotective effect of IDPU (1-(7-imino-3-propyl-2,3-dihydrothiazolo [4,5-d]pyrimidin-6(7H)-yl)urea) in 6-OHDA induced rodent model of hemiparkinson's disease. *Neuroscience Letters*, accepted.

Srivastava, K., & Tyagi, K. (2017). Single nucleotide polymorphisms of microRNA in cardiovascular diseases. *Clinica Chimica Acta*, 478, 101-110.

Research Projects

SERB, *Delineating The Mechanism of Transcriptional Regulation By Chromatin Remodelling Protein, INO80: Identification and Characterization of the Protein Complexes*, 2017-2019, Brahmachari, V., Sanctioned amount Rs.5555800.

Department of Biotechnology, *Genetic and Epigenetic Regulation of Stem Cell Death and Its Consequences in Cancer*, 2017-2022, Richa Arya under Brahmachari V: Ramalingaswami-Reentry Fellowship to Richa Arya, Sanctioned contingency amount 32,00,000/- and salary amount Rs. 5550000/-.

Department of Biotechnology, *Deciphering the Role of Calcium homeostasis in Modulating T Cell Dynamics During Mycobacterium Tuberculosis Infection*, 2017-2020, Natarajan, K., Sanctioned Amount: Rs. 8227000.

Department of Biotechnology, *Creation of Bioinformatics Facility at ACBR*, 2006-2020, Madhu Chopra, Rs. 76.613; 2017-18 Rs. 8.632 Lakhs.

Conferences organised

Organized 11th Symposium on Frontiers in Biomedical Research during 19-21 February, 2018.

Organized DBT sponsored 8th workshop on Bioinformatics and Molecular Modeling in Drug Design, March 16-17, 2018

Seminar/Conference Presentations

Natarajan K.: Invited Speaker at the International Conference on Trends in Biochemical and Biomedical Research (TBRR), Banaras Hindu University, Varanasi. February 13-15th 2018.

Natarajan K.: Deciphering the Intricacies of Mycobacterium tuberculosis and host interactions, All India Institute of Medical Sciences, New Delhi. March 7, 2018.

Anju Katyal: "12/15-LOX inhibition ameliorates hippocampus associated neuronal damage and mitochondrial dysfunction in mice subjected to hypobaric hypoxia". 4th European Stroke Organisation Conference 2018 (ESOC 2018), Gothenburg, Sweden

Computer Aided Drug Design Strategies, 28th August 2017, at Bioinformatics and Computational Biology workshop at IIT, New Delhi by Madhu Chopra.

Computer Aided Drug Design, 26th July 2017, National Faculty Development Programme on "Recent Trends in Applied Science Teaching (FDP-RTAST)" from 21st - 27th July, 2017 organised by Rajguru College of Applied Sciences, New Delhi by Madhu Chopra.

Number of M. Phil /Ph.D. Degrees awarded

Ph.D.: 13

Faculty Strength

Faculty Members = 13 (11-Regular, 02-Ad-hoc)

INSTITUTE OF INFORMATICS & COMMUNICATION

Major Activities and Achievements

The Institute has been instrumental in setting up the University Information Management System (UIMS). Under UIMS, IIC has been developing and managing enterprise applications for Online UG and PG admissions, Online recruitment for teaching and non teaching staff, Human Resource Management, Finance Management, Document Management, College management etc. and currently student life cycle management is being implemented.

The Institute organized various activities such as, Industrial Lecture Series, in which eminent persons visit the institute to deliver specialized lectures on current trends in the IT industry sector. Further students and faculty organised time-to-time Industry-University interaction programme. The faculty actively presented their research work in various platforms like National / International conferences, workshops. The Placements activity in this year like earlier years has been actively pursued resulting in ~40 % placement in the first round. Many top rated IT industries are coming for the campus placement. Industries visiting the Institute this year are Snapdeal, Zillious Solutions, Aricent Technologies, Hughes Systique, QA Info Tech etc.

Honours/Distinctions

Mr. Shiv Sahni, M.Sc pass out student awarded Capt. Anuj Nayyar Memorial Gold Medal-2017, University of Delhi

Publications

S. Kumar, M. Kumar, M. K. Das, R. Budhiraja and S. Singh (2017). Improved cryptographic model for better information security. International Conference on Information and Communication Technology Convergence (ICTC), Jeju, South Korea, pp. 406-410. doi: 10.1109/ICTC.2017.8191013

M. Kumar, S. Kumar, M. K. Das, R. Budhiraja and S. Singh, "Chaotic dynamical systems based image encryption model," 2017 International Conference on Information and Communication Technology Convergence (ICTC), Jeju, South Korea, pp. 93-98. doi: 10.1109/ICTC.2017.8190949

Journals

Published by the Department

Manish Kumar, Sunil Kumar, M.K. Das, Rajat Budhiraja, Sanjeev Singh, Securing images with a diffusion mechanism based on Fractional Brownian Motion, Journal of Information Security and Applications, Volume 40, 2018, Pages 134-144, ISSN 2214-2126, <https://doi.org/10.1016/j.jisa.2018.03.007>.

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Research Projects

DU/DST, 2014-2019, *Setting up the Research Infrastructure for Network Architecture and Security, Cyber Security and Forensic*, Rs. 14.3 Lakhs.

Seminars Organised

Workshop on “Ideation to Action” on 23rd September 2017, S. P. Jain Centre, University of Delhi South Campus.

Workshop on “Unleashing Entrepreneurship in ESDM India” on 25th January 2018, S. P. Jain Centre, University of Delhi South Campus.

Seminar/Conference Presentations

Envisage'17, an annual national conference on open source technology for the students and faculty members.

National/International MoUs Signed

With Indian/Foreign Universities - NA

With Indian/Foreign Companies/Industry – 01

Students under Exchange Programme: 01

Summer internship program with National Tsing Hua University, Taiwan.

Placement Details (Number and percentage of students placed)

On campus

Number of Organizations Visited: 03

Number of Students Participated: 36

Number of Students Placed: 04

Off Campus

Number of Students Placed: 12

Number and percentage of students placed: 16 & 44.42

Number of Companies visited for campus recruitment: 03

Extension and Outreach Activities

Collaborated with Connecting Dreams Foundation for Social entrepreneurship and empowerment

Faculty Strength: 03 (Positions) – 01 has retired, 01 is absent since 2016

Other Significant Information

IIC has been very instrumental in providing IT based solution and services to the University for various automation processes. The software developed at IIC has been implemented at various central Universities e.g. JNU, CUH, CUB, Patna etc. NIC, Govt. of India has approached IIC to organize Hackathon, Idea championship events organised national level Idea Challenge.

INTER DISCIPLINARY CENTRE FOR PLANT GENOMICS

Major activities and achievements

In the past over 5 years, we have participated in sequencing of the wheat genome as part of an international consortium. In collaboration with two other groups based at IARI, New Delhi, and PAU, Ludhiana, we have sequenced Chromosome 2A of the hexaploid wheat, and specifically contributed BAC-end sequences of *ca.* 130,000 BACs that harbor 100-150 kb fragments of Chromosome 2A using Sanger's technology. The international consortium for assembling the genome of wheat has used these data. The assembled genome sequence will be of tremendous use to the scientific fraternity to map genes and use them for improving wheat for abiotic and biotic stress tolerance, increasing productivity and altering plant phenotype with better agronomic traits. Along with this work, we have continued our efforts to functionally characterize bZIP and F-box protein coding genes in rice for their role in light regulated plant development and abiotic stress tolerance.

Honours/Distinctions

Goyal Prize (in Life Sciences) by the Goyal Foundation, Kurukshetra University, Haryana, in April 2017.

Shri Om Prakash Bhasin Award (in Biotechnology) by the Om Prakash Bhasin Foundation, New Delhi, in April 2017.

Member of the Research Council of a CSIR Institute - Centre for Cellular and Molecular Biology (CCMB), Hyderabad, for a term of three years (July 2017 onwards).

Publications

Borah, P., & Khurana, J. P. (2018). The OsFBK1 E3 ligase subunit affects anther and root secondary cell wall thickenings by mediating turn-over of a cinnamoyl-CoA reductase. *Plant Physiology*, 176, 2148–2165.

Burman, N., Bhatnagar, A., & Khurana, J. P. (2018). OsbZIP48, orthologous to AtHY5, exerts pleiotropic effects in light-regulated plant development. *Plant Physiology*, 176, 1262-1285.

Jain, N., Vergish, S., & Khurana, J. P. (2018). Evaluation of house-keeping genes for normalization of gene expression data for diurnal/circadian studies in rice using RT-qPCR. *Scientific Reports*, 8, 3203.

Maji, A., Misra, R., Dhakan, D. B., Gupta, V., Mahato, N. K., Saxena, R., Mittal, P., Thukral, N., Sharma, E., Virmani, R., Singh, H., Hasija, Y., Arora, G., Agrawal, A., Chaudhry, A., Khurana, J. P., Sharma, V. K., Lal, R., & Singh, Y. (2018). Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers. *Environmental Microbiology*, 20, 402-419.

Mishra, S., & Khurana, J. P. (2017). Emerging roles and new paradigms in signalling mechanisms of plant cryptochromes. *Critical Reviews in Plant Science*, 36, 89-115.

Singh, M., Gupta, A., Khurana, J. P., & Laxmi, A. (2017). *Arabidopsis* RSS1 mediates cross-talk between glucose and light signaling during hypocotyl elongation growth. *Scientific Report*, s7(1), 16101.

Singh B., Khurana P., Khurana J. P., & Singh, P. (2018). A wheat gene encoding TaVAP confers tolerance to drought stress. *Cell Stress & Chaperone*, 23, 411-428.

Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Maji, A., Nayyar, N. A., Singh, Y., Khurana, J. P., & Lal, R. (2017). Genome organization of *Sphingobium indicum* B90A: An archetypal hexachlorocyclohexane (HCH) degrading genotype. *Genome Biology & Evolution*, 9(9), 2191-2197.

Research Projects

DBT, *Functional Validation of Genes Involved in Regulating Transition to Flowering in Rice*, (2015-2020), Prof. J. P. Khurana, Rs. 1.40 Crore.

DST-SERB, *J.C. Bose Fellowship Project*, (2013-2018), Professor J.P. Khurana, *ca.* 70 lakhs.

Conferences organised

Co-organised 4th International Conference on Duckweed Research and Applications, along with the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.

Seminar/Conference Presentations

Delivered a lecture in the National Convention on Digital Initiatives for Higher Education, organised by MHRD, Vigyan Bhawan, July 8-10, 2017.

Chaired a session and delivered a lecture in the 4th International Conference on Duckweed Research and Applications, organised by the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.

Delivered an Invited lecture in Har Gobind Khorana Memorial Symposium on “Genes, Genomes and Membrane Biology” held at NABI, Mohali, December 3-5, 2017.

Chaired a ‘Plenary Session’ and delivered an invited talk during the International Conference on Plant developmental Biology and 3rd National *Arabidopsis* meeting, held at NISER, Bhubaneswar, December 12-14, 2017.

Delivered Dr. Yellapragada Subba Row Memorial Lecture at the School of Biotechnology, GGS Indraprastha University, New Delhi, January 2018.

Co-Chaired a session during National Conference on “Technological Empowerment of Women (Commemorating the International Women’s Day), held at Vigyan Bhavan, New Delhi, March 8-9, 2018.

Other Inter-institutional Collaboration

Multi-Institutional Project with 7 Institutes and the Coordinating Institution is University of Delhi South Campus, New Delhi.

Faculty Strength

Four members are associated and they are on regular roles of the Department of Plant Molecular Biology, UDSC.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

Major Activities and Achievements

A centralized facility with sophisticated analytical instruments is maintained by the University Science Instrumentation Centre for all researchers and faculty members of science departments and constituent colleges of the University of Delhi. The Centre is open six days a week from 9:00 a.m. to 5:30 p.m. The instruments available are: Vibrating sample magnetometer, Bruker High resolution X-ray diffractometer, Perkin Elmer FTIR spectrometer with ATR & Specular reflectance, Agilent LCMS with Quadrupole time to flight, Thermal analysis Perkin Elmer TGA, DTA and DSC, Waters Differential Scanning Calorimeter, Jeol 400 MHz Nuclear Magnetic resonance, TEM sample preparation equipment, Critical point dryer, Jeol scanning electron Microscope (SEM) with EDS, FEI High Resolution Transmission electron microscope (TEM), CHNS Analyzer

Liquid nitrogen (LN₂) storage tank and distribution facility, Renishaw Laser Raman Spectrometer, Cary Eclipse Fluorescence spectrophotometer (solid and liquid samples), Time resolved Fluorescence spectrometer (Horiba Yvon), Sentech Ellipsometer, Upconversion and downconversion fluorescence spectrometer, Linesis TGA with auto sampler, Thermo fisher FTIR spectrometer with FIR attachment, Broadband Dielectric/impedance analyser (MHz to 10 MHz), Jasco Circular dichroism spectropolarimeter, B.E.T. surface area analyser, Zeiss FESEM, Single crystal X-ray diffractometer and Nikon confocal microscope

WOMEN’S STUDIES AND DEVELOPMENT CENTRE

Major Activities and Achievements

Women’s Studies & Development Centre (WSDC) offered the interdisciplinary Advanced Course- in *Gender Studies* to research scholars and teachers. The Centre conducted a National Workshop- Gender Mainstreaming through Research in Women’s Issues. The Workshop was partly sponsored by The Association of Commonwealth Universities. Renowned academicians were the panelists and many more participated. WSDC released its book-*Locating Gender in New Middle Class In India*, at IIC on 9th May, 2017. The Centre conducted empirical research at Kolkata and around places as part of second leg of its ongoing research project-understanding Change in Gender Relations in New Middle Class in India.

Honours/Distinctions

Dr. Manjeet Bhatia was awarded funds by Association of Common Wealth Universities to conduct the National Workshop- Gender Mainstreaming Through Research In Women’s Issues.

The Centre's ongoing research project on 'The Emerging Middle Class' will provide major outcomes on the manner in which social changes are affecting social mobility in urban areas and processes of gender-identity formation.

Publications

Bhatia, M. (Ed.) (2017). *Locating gender in the new middle class in India*. Shimla: India, Indian Institute of Advanced Study, Rashtrapati Niwas.

Bhatia, M., (co-authored), (2017). Migrant-women at the mall: Understanding empowerment and habitus. *VEETHIKA-An International Interdisciplinary Research Journal*, 43-53.

Bhatia, M. (co-authored), (2017). New meanings of motherhood in globalizing middle class homes in India. In M. Bhatia (Ed.), *Locating Gender in the New Middle Class in India*, Shimla: India Institute of Advanced Study, Rashtrapati Niwas.

Research Projects

UGC, *Gender & New Middle Class*, 2014 - till date

Seminars Organized

National Workshop organized on "Gender Mainstreaming through Research on Women's Issues" in collaboration with Association of Commonwealth Universities, 18-23 December 2017.

Seminar/Conference Presentations

Dr. Manjeet Bhatia

- Presentation on "Gender and New Middle Class" in the National Workshop on "Gender Mainstreaming through Research on Women's Issues" in collaboration with Association of Commonwealth Universities, WSDC, University of Delhi, 18-23rd December 2017.
- Presentation on "Gender Sensitization", Department of Mathematics, University of Delhi, Delhi, 25th April, 2018.
- Presentation on "Gender Sensitization" for non-teaching and teaching staff, Department of CIE, University of Delhi on the occasion of Yoga Day, 21st June, 2018.

Extension and Outreach Activities

WSDC draws students from various constituent colleges, departments and Faculties of University of Delhi and other State and Central Universities across Delhi NCR.

Students drawn from University of Delhi offer the centre with a cross-section of participants across different regions, nationality, ethnicity, promoting inclusive and holistic learning irrespective of gender, caste and identity.

Post graduate and Research Students across diverse disciplines in Natural Science, Mathematics, Commerce, Humanities and Social Science Management participate in the courses offered by WSDC. They bring with them learning and perspectives from their fields that blends with the interdisciplinary approach offered by the centre and women's studies as a field.

International Students of DU and other institutions have also participated in the courses offered at the centre.

The staff and faculty at WSDC have a harmonious blend of cultural and regional variation. Bilingualism (Both English and Hindi) as a mode of communication and discourse for teaching and research is promoted and followed.

Faculty Strength:

Permanent: 02 (One Director, One permanent faculty).

Ad-hoc Faculty : 02

Other Significant Information

The Centre has completed the second leg of field work at Kolkata as part of empirical work for its major research project under UGC-CAS and data entry of the data collected at Delhi-NCR with limited resources. The Centre has made a film based on the research project - Mall: A Gendered Space. It is available on the DU website.

WORLD UNIVERSITY SERVICE HEALTH CENTRE

Major Activities and Achievements

The W.U.S. Health Centre came into existence on 19th March 1955. The present building is more than 63 years old. A number of new facilities have been added over the years.

The W.U.S. Health Centre (North Campus) caters to approx 1,50,000 beneficiaries, i.e., Regular, Retired Employees and their dependents, Resident & Non-Resident Students and Adhoc employees (teaching). Total OPD attendance for the financial year 2017-18 was 1,23,468 and the total clinical services (Physiotherapy, Pathology Lab., Nursing, Dressing and X-Ray) was 1,07,471. Approximately 410 patients per day seek consultation in OPD. These numbers are ever increasing.

WUS Health Centre (South Campus) caters to approximately 13,000 beneficiaries. Approximately 85 patients avail W.U.S. Health Centre (South Campus) OPD facilities per day (six days per week).

W.U.S. Health Centre (East Delhi) caters to approximately 4800 beneficiary clientele. Approximately 12 patients avail W.U.S. Health Centre (East Delhi) OPD facilities per day (six days per week).

W.U.S. Health Centre (West Delhi) caters to approximately 5000 beneficiary clientele. Approximately 30 patients avail W.U.S. Health Centre (West Delhi) OPD facilities per day (six days per week).

Total OPD attendance of W.U.S. Health Centres for the financial year 1st April, 2017 – 31st March, 2018 is as follows:-

North Campus: 1,23,468

South Campus: 25,124

East Delhi: 3,661

West Delhi: 8,731

Total Clinical Services of W.U.S. Health Centres for the financial year 1st April, 2017 – 31st March, 2018 is as follows :-

North Campus: 1,07,471

South Campus: 9,470

West Delhi: 867

In addition to routine Health Services, W.U.S. Health Centre (North) also provided emergency health services even on Sundays/Gazetted Holidays during following Tournaments/Other University Functions organized by University of Delhi:

Sports Trials for Online Undergraduate Programmes: 27th June, 05-06 July, 28th June & 01st July, 2017

Delhi University Inter College Wrestling (M & W) Tournament 2017-18: 23-24 October 2017

Delhi University Inter College Judo (M&W) Tournament 2017-18: 25-26 October 2017

Inter College Athletic (M & W) Championship 2017-18: 9-11 November 2017

94th Annual Convocation: 18th November 2017

14th K.K. Luthra Memorial International Moot Court Competition: 19-21 January 2018

Inter College Taekwondo Championship 2017-18: 1-2 February 2018

Delhi University Inter College Football (M & W) Championship 2017-18: 16th & 19-23 February 2018

60th Annual Flower Show: 23rd February 2018

Delhi University Inter College Football (M) Championship 2017-18: 24th & 26th February 2018

Hon'ble President of Federal Republic of Germany 'Mr. Frank-Walter Steinmeier': 23rd March 2018

World Health Day was celebrated in W.U.S. Health Centre (North Campus) on 7th of April 2017. The theme of this year's World Health Day was Depression: Let's Talk. Leaflets highlighting the issues regarding DEPRESSION were disseminated to all the Faculties/Departments/Centres/Colleges/Hostels which was highly appreciated by everyone. An article on Depression: Let's Talk was uploaded on University of Delhi website and W.U.S. Health Centre website for the information of University fraternity.

Dry Day for Tobacco was celebrated with great fanfare on 30th of September 2017 and the Theme was DRY DAY FOR TOBACCO

Pyrethroid Insecticidal Spray was done intensively in the whole of the University Campus area and University Enclave colleges. Leaflets highlighting the issues regarding Dengue Fever, Chikungunya, Malaria and Seasonal Influenza were distributed to all the Faculties/Departments/Centres/Colleges/Hostels which was highly appreciated by everyone. Articles on Dengue Fever, Chikungunya, Malaria, Hypertension and Seasonal Influenza were uploaded on the University of Delhi website www.du.ac.in and W.U.S. Health Centre website <http://wushealthcentre.du.ac.in> for the information of University fraternity.

Health check up camps, Cardiac check up camps, Diabetes control camps have been organised in collaboration with reputed Hospitals from time to time.

Existing Facilities

The W.U.S. Health Centre (North Campus) provides 24 x 7 hours services for the University employees, their dependants and students except on Sundays/Gazetted Holidays from 10:30 AM to 08:00 PM.

OPD Timings: MONDAY to SATURDAY

Morning Duty: 08:00 AM to 02:30 PM

Evening Duty: 01:30 PM to 08:00 PM

Night Duty: 08:00 PM to 08:00 AM

In the Evening shift 2 Part-time Medical Officers and 1 Full time Medical Officer examine the patients.

Sunday/Gazetted Holiday: 00:00 hours to 10:30 AM.

Night Service: All Days (Emergency services only)

W.U.S. Health Centre (North Campus) is the nodal point and has a team of 9 dedicated Medical Officers [including 1 medical consultant on contract, 1 Medical Officer on contract and 3 Part-time Medical Officers (against 2 sanctioned posts of Medical Officers)], 12 Visiting Part-time Specialists [who provide Specialized services for two hours in Cardiology (thrice per week), Neurology (once per week), Psychiatry (once per week), Orthopaedics (five days per week), E.N.T. (five days per week), Paediatrics (four days per week), Skin (4 days per week), Ophthalmology (thrice per week), Dental (3 hours, six days per week)], 8 Permanent Pharmacists, 1 Technical Assistant (Pathology Laboratory), 6 Ministerial Employees, 19 Employees on Contract.

W.U.S. Health Centre (North) has a Pathology Laboratory, Physiotherapy Unit, X-Ray Department, Nursing Station, Dressing Room and is equipped with Basic Life Support Ambulance.

W.U.S. Health Centre (South Campus) caters to its beneficiaries from Monday to Saturday from 09:00 AM to 05:30 PM and on Saturday from 09:00 AM to 03:30 PM.

W.U.S. Health Centre (South Campus) has 04 Medical Officers [(including 01 Medical Consultant on contract and 02 part-time medical officers (against 1 sanctioned post of Medical Officer)], 03 visiting Part-Time Specialists [who provide Specialized services for two hours in Ophthalmology (twice a week), Dentistry (thrice a week) and Cardiology (thrice a week)]. This Health Centre has a Pathology Laboratory, Physiotherapy Unit, Dressing Room and is equipped with Basic Life Support Ambulance.

W.U.S. Health Centre (East Delhi) and W.U.S. Health Centre (West Delhi) cater to their beneficiaries from Monday to Saturday from 09:00 AM to 03:30 PM. These Health Centres have a Medical Store and Pharmacy.

Seminar Organized: 03

Conferences/Continuing Medical Education (CMEs) organized: 20

Extension and Outreach Activities

Delivered several Public Health Lectures on Vector Borne Diseases in different Colleges affiliated to the University

Doctors' Strength

Chief Medical Officer: 01

Permanent Medical Officers: 07

Medical Officer on contract: 02

Part-time Medical Officers (against 3 sanctioned posts of Medical Officers): 05

Part-time Visiting Specialists: 15

Other Significant Information

- Provision of branded medicines from Government Medical Store Depot (GMSD).
- Provision of high quality medical care to the patients.
- Provided medical cover to the dignitaries and sports activities.
- Quick and timely disposal to the patients.
- Timely disposal of Medical claims of reimbursement.
- Timely disposal of medical examination of fresh appointees/commutation of pension.

DEPARTMENTS

FACULTY OF APPLIED SOCIAL SCIENCES & HUMANITIES

BUSINESS ECONOMICS

Major Activities and Achievements

The Department of Business Economics successfully ran an MBA programme in Business Economics and a Ph.D. programme during the period 1 April, 2017 to 31 March, 2018. The placement cell of the Department was successful in finding 41 placements for the final year students and 61 for the first-year students. Three students were awarded doctoral degrees. A total of 59 speakers from the industry, government, academia and research institutes spoke in the Department and interacted with students and faculty at weekly and other seminars organised on different topics in the Department. Other student activities organised in the Department include: Genesis, Vishleshan, Reminiscence (Annual Alumni Meet), Annual Convention, Arthniti, Markibiz, Pahal and Bluechips.

Publications

Arora, P. M., Das, M., and Dastidar, A. G. (2018). Mortgage loans, risky lending, and crisis. *Economic and Political Weekly*, 53(13), 60-68.

Dalei, N.N., and Gupta. Y. (2018). Drivers of forest ecosystem change in Purnapani area: Empirical evidence and policy suggestions, *Journal of Quantitative Economics*. DOI 10.1007/s40953-018-0120-0.

Dalei, N.N., and Gupta. Y. (2017). Measuring welfare of forest dependent communities in a mine-spoiled degraded ecosystem. In *Global Change, Ecosystems, Sustainability: Theory, methods, practice*, Mukhopadhyay et al., (Eds.). New Delhi: Sage.

Dastidar, A.G., R. Malhotra, and Suneja, V. (2018). *Economic theory and policy amidst global discontent*. Routledge: London. (Ed.).

Dastidar, A.G. (2018). The Keynesian Model. Unit 2. In *Macroeconomic Analysis* (Block 1), MA (Economics) Course, MEC- 002, New Delhi: IGNOU.

Dastidar, A.G. (2018). Open Economy Macroeconomics. Unit 4. In *Macroeconomic Analysis* (Block 1), MA (Economics) Course, MEC- 002, New Delhi: IGNOU.

Dastidar, A. G., Malhotra, R. and Suneja, V. (2018). Deepak Nayyar: A diverse oeuvre. In A. G. Dastidar, G., R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst global discontent*. London: Routledge.

Dastidar, A. G., R. Malhotra, and Suneja, V. (2018). Development Complexities: Looking Afresh. In A. G. Dastidar, R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst Global Discontent*. London: Routledge.

Dastidar, A. G. (2018). The global financial crisis and policy challenges in EMEs. In A. G. Dastidar, R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst Global Discontent*. London: Routledge.

Kaul, V. K. (2017). Innovation, low carbon development and green growth, *Journal of Business Thought*, April 2017-March 2018.

Mohan, C. (2017). Changing climatic patterns and its impact on apple production and productivity in Himachal Pradesh, *Global Journal of Enterprise Information System*. April-June, 2017.

Mohanty, B., Bhanumurthy, N. R., and Dastidar, A. G. (2017). What explains regional imbalances in infrastructure: Evidence from Indian states. *Asia-Pacific Development Journal*, 24 (2), 113-139.

Seminars Organized

Total Number: 18 (speakers—59)

Details:

Mr. Pramod Joshi (Founder & CEO, MyKaarma), 17 Aug 2017.

Mr. Varun Prabhakar (Vice President, PwC), 5 September 2017.

Mr. Vivek Bajpai (Moody's Analytics), 9 September 2017.

Mr. Hitesh Sood (AVP (Marketing) IDEA), 28 October, 2017.

Mr. Neeraj Juneja (VP: Compliance, RBS), 11 November, 2017.

Ms. Akriti Kumari (SEBI), 14 October 2017.

Ms. Kalpana Jain (Partner, Deloitte), 24 February 2018.

Mr. Virender Gupta (CII), 24 February 2018

Mr. Gautam Bakshi (A.T. Kearney), 24 February 2018.

Conferences Organized

“Innovation: Inclusive Growth, Technological Change and Job Creation” on 1 March, 2018, at S.P. Jain Auditorium, South Campus, University of Delhi. Funded by University of Delhi (Conveners: Prof. V. K. Kaul, Dr. Yamini Gupta, Dr. Ananya G. Dastidar).

Forty-Fourth Annual Convention on “Innovation India-Inclusive Growth, Digitalisation and Job Creation” at the S.P. Jain Centre, University of Delhi South Campus, New Delhi on 14 October, 2017.

Seminar/Conference Presentations

Seminar presentation

Dastidar, A.G. (2017), Presentation on Policy Challenges in EMEs in the Wake of the Global Financial Crisis, at Department of Policy Studies, TERI University, New Delhi, April 12.

Gupt, Y. (2018), Presentation on Degraded Forest Ecosystem and Ecological Restoration: A study of Livelihood of Forest Dependent Communities in Odisha at the NABARD Chair Seminar on “Rural Restored Ecosystem and Rural Livelihood” at Institute of Economic Growth, Delhi on March 8-9.

Gupt, Y. (2018), Discussant of Deepor Beel Wetland: Threats to Ecosystem Services, their Importance to Dependent Communities and Possible Management Measures at the NABARD Chair Seminar on “Rural Restored Ecosystem and Rural Livelihood” at Institute of Economic Growth, Delhi on March 8-9.

Kaul, V.K. (2017), Presentation on Rise of China as Economic and Military Power: Option for India a Conference in collaboration with The Nehru Memorial Museum and Library, and Antar-Rashtriya Sahyog Parishad, on Engaging an Expansionist China: Options for India, at The Nehru Memorial Museum and Library, New Delhi, December 18-19.

Kaul, V.K., Presentation on India's FDI Policies and shifting Global Economic and Technological Scenarios, ISDI Workshop on FDI, ISID, New Delhi 12th January 2018.

Thakras, C.M., Presentation on Sustainability of Apple Production in H.P.: An Economic Analysis. JNU, New Delhi. 25-26 August 2017.

National Conference Presentation

Gupt, Y. (2018), Discussant of Achieving Sustainable Development Through Better Infrastructure: The Role of Public-Private Partnerships in India at Innovation: Inclusive Growth, Technological Change and Job Creation, a National Conference organised by the Department of Business Economics, University of Delhi at S.P. Jain Auditorium, South Campus, University of Delhi 1 March.

Kaul, V.K. (2018), Presentation on ‘Leadership: Indian Thinking’, as Guest of Honour in the Inaugural Session in two day Conference on Leadership In Organizations: Contemporary Concerns And Key Developments, on March 22-23, , Ramanujan College, University of Delhi.

Roy Choudhury, T. (2018), Paper Presented on Women's Employment in India's Organised Manufacturing Sector, at Innovation: Inclusive Growth, Technological Change and Job Creation, National Conference organised by Department of Business Economics, University of Delhi, at S.P. Jain Auditorium, South Campus, University of Delhi 1 March.

Thakras, C.M. (2017), Presentation on Crop Diversification in Himachal Pradesh: Patterns and Determinants. AERA, Silver Jubilee Conference, Hyderabad, 7-9 Sept..

International Conference Presentation

Dastidar, A.G. (2018) presented paper (co-author Rashmi Ahuja) 'Investment Slowdown in India: Key Drivers and Way Forward,' at session on 'Sustainable Economic Development in India – Some Issues' at International Conference on Business, Economics and Sustainable Development (ICBESD) held at Department of Business & Sustainability, TERI School of Advanced Studies, New Delhi, on February 23.

Kaul, V.K. (2018) presented paper 'Power to Empower: How entrepreneurship development aids institutions and society,' in International Winter school organised by SLC (Shyam Lal College), University of Delhi, On Fostering Collaborative Innovations and Solutions for Sustainable Development, March 3,

Kaul, V.K. (2018) presented paper 'Sustainable Development and Indian Perspective,' in International Winter school organised by SLC (Shyam Lal College), University of Delhi, On Developing Countries, and Sustainable Development: Reconnecting Past and Present, March 5.

Kaul, V.K. (2018) presented paper on 'Indian, Indian Ocean, and World System,' in the Plenary session-II the New Dynamics of Global Business in International Conference on Indian Trade & Commerce: Past, Present & Future, organised by Institute for Media Studies, Utkal University of Culture, Bhubaneswar, Odisha, March 17-19.

Thakras, C.M. (2018), Impact of Climate Change on Apple Production in Himachal Pradesh in International Conference on Agribusiness in Emerging Economies organised by Teri School of Advance Studies, New Delhi, January 03-04.

Placement Details (Number and percentage of students placed)

- Students placed: 41 (85.41%); number of companies visited campus: 31.
- Summer Internships: 61 (98.38%); number of companies visited campus: 20.

Extension and Outreach Activities

- Students initiated activities to help underprivileged sections of society under the Roots initiative. These include drives to collect warm clothes and dry rations.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.: Ten

Faculty Strength

- Permanent—07
- Ad hoc—01

FACULTY OF ARTS

ARABIC

Major Activities and Achievements

The Department of Arabic organised a two-day International Seminar on the topic "Diaspora Literature: Socio Cultural and Historical Aspects" on 17-18 March, 2018. A Lecture under Prof. K. A. Fariq Memorial Lecture Series – 11 on the topic "Arabic-Persian based Studies in Pre-Partition Punjab" was delivered by Prof. S. Z. H. Jafri on 17th March, 2018. The Department also organised a seven-day workshop in collaboration with the King Abdullah bin Abdul Aziz International Centre Riyadh, K.S.A. on "Teaching Methods for Arabic Teachers" from 1st – 7th April, 2017. Prof. Mutair Husain Al-Maliki from Saudi Arabia was invited to deliver special lectures in the said workshop.

Publications (03)

Akram, M. (2018). Hali-o-Shibli. *Shama-e-hayat*, 62-70

Akram, M. (2018). *Nashatul Ma'ajim Wal Mustalhat al-Arabia at-tibbiya. Delhi*. Delhi: Islahi Health Care Foundation.

Hasan, N. (2018). Maulana Abul Kalam Azad Aur Arabi Zubano Adab Ghubar-e-Khatir Ke Tanazur Mein. *Roznama Qaumi Duniya*, New Delhi, 9(148), 8-9.

Seminars Organized (01)

Two-day International Seminar on the topic “Diaspora Literature: Socio Cultural and Historical Aspects” on 17-18 March, 2018

Seminar/Conference Presentations (11)

Akhtar, M., (2017). *Hindustan Mein Eaik Pur-amn Samaaj Ki Tashkeel: Qurani Ayaat Ki Roshni Mein*, in the two-day National Seminar on “Towards Equality, Faternity and Justice: Creating a better tomorrow through Islamic Studies” organised by the Institute of Objective Studies, New Delhi in collaboration with Maulana Azad University, Jodhpur, Rajasthan on 20-21 October, 2017.

Akhtar, M., (2018). *Maulana Mohammad Nazim Nadwi: Katiban Wa-Shaaran*, in the Two day National Seminar on “Contribution of Indians to Arabic Language & Literature in 20th Century” organised by the Department of Arabic University of Mumbai on 14th & 15th March, 2018.

Akram, M., (2017). *al-Nashat al-Thaqafi bil Mujtama al-Misri ...*, in the International Seminar on ‘Literary and Social Importance of Travelogues’ organised by Dept. of Arabic & Persian, University of Allahabad on 19 & 20 September 2017.

Akram, M., (2018). *Allama Sayid Sulaiman Nadwi ki Arabi Nigarshat: Ek Mutala'a* in the Two day National Seminar on “Contribution of Indians to Arabic Language & Literature in 20th Century” organised by Department of Arabic University of Mumbai on 14th & 15th March, 2018.

Akram, M., (2018). *Education and Ethics* in two day international seminar on “Ethics in Religions”, organised by the Al-Mustafa International University, Iran and Department of Islamic Studies, J.M.I. New Delhi, 7th and 8th March 2018.

Akram, M., (2018). *Tadrees-e-Qura'n Ka Minhaj Aur Farahi School* in the Two Day International Seminar on “Allama Hamiduddin Farahi: Ilmi-o-Fikri Meeras” organised by Shibli National PG College, Azamgarh, UP in collaboration with NCPUL Ministry of HRD, Govt. of India, March 24-25, 2018.

Hasan, N., (2018). *Coping with the problems of Teaching and learning Arabic language in prospects of modern technologies*, an article presented in Two-day International Seminar on *Arabic Language in 21st Century: Challenges and Solutions* organised by Centre of Arabic and African Studies, School of Language, Literature and Culture Studies, JNU on 27-28 March. 2018.

Hasan, N., (2018). *Maulana Abul Kalam Azad Aur Arabi Zubano Adab Ghubar-e- Khatir Ke Tanazur Mein* an article presented in Two-day National Seminar on *Maulana Abul Kalam Azad – An Analytical Study* organised by Maulana Azad Academy, New Delhi on 29-30 March 2018.

Khan, M. N., (2018). *Contribution of Dairatul Maarif al-Osmania in publishing important Arabic Manuscripts* in Two-day International Conference on *Dairatul Maarif Achievements and Expectations*, Dairatul Maarifil Osmania, Osmania University, Hyderabad, 24 & 25 March, 2018.

Mahmood, A., (2018). *Mohd. Makki Hayatuhu Wa-Amalluhu*, in the two-day International Seminar on “Diaspora Literature: Socio Cultural and Historical Aspects” held in the Department of Arabic, University of Delhi on 17-18 March, 2018.

Mahmood, A., (2018). “*Istikhdam Al-Wasait Al-Taleemia Al-Hadisa Li-Tatvir Al-beea Al-Taleemia*” an article presented in Two-day International Seminar on “Arabic Language in 21st Century: Challenges and Solutions” organised by Centre of Arabic and African Studies, School of Language, Literature and Culture Studies, JNU on 27-28 March. 2018.

Number of Ph.D./M.Phil. Awarded

M.Phil. - 6

Faculty Strength

Permanent - 7 (2 Professors, 2 Associate Professors, 3 Assistant Professors)

Guest Faculty - 2

Other Significant Information

Akram, M., (2017). Delivered a talk in External Services Division, All India Radio, New Delhi on the topic -Prof. Shiv Rai Chaudhary in Promoting Arabic Language in India on 8th December, 2017.

BUDDHIST STUDIES

Major Activities and Achievements

The department of Buddhist Studies was awarded the status of Centre for Advance Studies (CAS-I) two years ago and has completed this year of CAS successfully. Professor K.T.S. Sarao was conferred the prestigious *MañjuśrīSammāna* by the Indian Society for Buddhist Studies for the year 2017. Professor K.T.S. Sarao was invited to deliver the prestigious Professor Sita Ram Kohli Memorial Lecture on “Fire Temple of Bāku, Bābā Nānak, and the Udāsī Paramparā,” by Punjabi University, Patiala, on 23 October 2018.

Publications (08)

Rana, R. K. (2017). Aryadeva. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Bodhidharma. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Samantabhadra. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Upaya. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Sarao, K. T. S. (2017). Indraprastha as it was known to the Ancient Indian Buddhists. In Neera Misra and Rajesh Lal (Eds.), *Indraprastha Revisited*, (191-196). Delhi: B. R. Publishing.

Sarao, K. T. S. (2017). Research Methodology Employed in the Study of Cultural Diversity in India. In Daljit Singh (Ed.), *Cultural Diversity and National Integration in India*, (157-178). Patiala: Punjabi University.

Sarao, K. T. S. (2017). The Mahājvālā temple of Baku: Azerbaijan: An example of the wonder that was India. In the proceeding of *World History conference on values, ethics and culture: Past and present*, (11-24).

Sarao, K. T. S. (Trans.), (2017). Translating Suttas from Pāli to English: Some methodological reflections, in Bimalendra Kumar and Ujjwal Kumar (Eds.), *Pariyatti: Studies in Pāli Language and Literature*, (29-308). New Delhi: Aditya Prakashan.

Conference Organized (01)

Prof. Gangnegi, H. P. (2018). Organizer, “Himalayan Buddhism: Continuity and Change” International Seminar in the Department of Buddhist Studies, University of Delhi, March 26-27, 2018, under the CAS-I Programme.

Seminar/Conference Presentations (22)

Gangnegi, H. P. (2017). “Negi Rinpoche and the Importance of Bodhi Mind” A National Seminar organised by the Bauddh Vidya Sangrakshan Sabha Jispa, Lahul and Spiti, Himachal Pradesh, 4th -5th September, 2017. Rana, R. K., (2017). *Thought and Practice in Chinese Tiantai Tradition: Some Reflections*. International Conference on “Buddhism: Traditions, Ideologies, and Dissent”, organised by Gautam Buddha University held from 7th - 9th September 2017, Greater Noida.

Gangnegi, H. P. (2018). “Buddhist Education: Path leading to the Awakening” at the National Conference on Buddhist Education in CICHs, Dahung, Arunachal Pradesh on 19th -21st March, 2018.

Rana, R. K., (2017). *The Five Stages of Realization in the Trīṃśikā: An Overview*. 17th Annual Conference of Indian Society of Buddhist Studies, Sanchi University of Buddhist-Indic Studies, held from 13th-15th October, 2017, at Barla, Madhya Pradesh

Kumar, D. (2018). “Jataka Kathaon me Buddhakalina Bharatiya Sanskriti aur Loka Jivana” in National Seminar on Contribution of Folk Traditions to Indian Culture organised by School of Studies in Ancient Indian History, Culture of Archeology, Jiwaji University, Gwalior (M.P.) India, March 17-18, 2018.

- Pavagadhi, S. B. (2017). "An introduction to literary works of Abhayagiri Sect" at the International Conference on Buddhism: traditions, Ideologies and Dissent at School of Buddhist Studies and Civilisation, Gautam Buddha University, Greater Noida in September, 2017.
- Pavagadhi, S. B. (2018). "Bojjhangas: the seven factors of Awakening" at the International Seminar on Himalayan Buddhism: Continuity and Change at Centre of Advanced Study, Department of Buddhist Studies, University of Delhi in March, 2018.
- Pavagadhi, S. B. (2018). "Buddhist Education and its relevance in contemporary world" at the National Seminar on Buddhist Education and Universal Responsibility at Nava Nalanda Mahavihara in February, 2018.
- Rana, R. K., (2018). *Buddhist Education For the Common Masses: With Special Reference to Bian wen*. Three Day National Seminar on "Buddhist Education and Universal Responsibility" organised by Nav Nalanda Mahavihara held from 15th-17th February, 2018.
- Sangai, G. (2018). "Buddhist Culture and Heritage", National Seminar at Jiwaji University, Gwalior (M.P.), India on March 17-18, 2018.
- Sangai, G. (2018). "Himalaya Kshetra me Jyotish Padhati" department of Buddhist Studies, University of Delhi, on March 26-28, 2018.
- Sangai, G. (2018). "Rahul Sanskritiyan ki Drishti me Kinnaur Desh" in International Seminar at Indira Gandhi national Center for the Arts, on March 14-16, 2018.
- Sarao, K. T. S. (2017). "Aṣṭapada of the Jainas: Some Reflections on its Identification" at the *One Day National Seminar on Jain Monuments in India: Heritage in Continuity* organised by Satyawati College (Evening), Delhi University, Delhi, 03 April 2017.
- Sarao, K. T. S. (2017). "Buddhist Perspective on Interfaith Dialogue" at the *Two-Day International Seminar on Cultural Encounters and Confluences between India and Korea* jointly organised by Indian Council of Philosophical Research and Korean Cultural Centre, New Delhi, 29–30 June, 2017.
- Sarao, K. T. S. (2017). "Buddhist Perspective on Inter-Religious Understanding and the Common Future of Humankind" at the *14th United Nations Day of Vesak on Buddhist Teachings for Social Justice and Sustainable World Peace* organised by the Government of Sri Lanka, Colombo, 12–14 May 2017.
- Sarao, K. T. S. (2017). "First Encounters of Indian Buddhists and Hindus with Islam," at Seventeenth Annual Conference of the Indian Society of Buddhist Studies (ISBS) held at the Sanchi University of Buddhist-Indic Studies, Barla, Madhya Pradesh, 13–15 October, 2017.
- Sarao, K. T. S. (2017). "Interfaith Dialogue: A Buddhist Perspective" and chaired a session at the *International Conference on Buddhism: Traditions, Ideologies and Dissent* organised by School of Buddhist Studies and Civilization, Gautam Buddha University, NOIDA, 7–9 September 2017.
- Sarao, K. T. S. (2017). "The Mahājīvālā Temple of Baku, Azerbaijan: An Example of the Wonder that was India," at the *World History Conference, 2017 on Values, Ethics and Culture: Past and Present* organised by Amity University, 4–5 October, 2017.
- Sarao, K. T. S. (2017). "The Maritime Silk Road, Arabian Sea and Buddhism in Early Medieval Western India" at the *Second Maritime Silk Road International Seminar on Cultural Linkage between China and India since Ancient Times* organised by Fujian Museum and Fujian Provincial Department of Culture and Foreign Affairs, Fujian, China, 19 May 2017.
- Sarao, K. T. S. (2017). "Why was the Buddha Reluctant to Visit the Gayā Dhammakhetta?" and gave the valedictory lecture at the *Fourth International Conference on Pāli and Buddhism* organised by the Mahābodhi Society of India, Sarnath, Varanasi, 30–31 October, 2017.
- Sarao, K. T. S. (2018). "Buddhist Perspective on Sustainable Development" at the *Three-Day Global Conference on Buddhism and Globalization* organised by the Mahābodhi Society of India, Bodhgaya, 30 January–01 February 2018.
- Sarao, K. T. S. (2018). "Maitreya-Ideal and the Issue of Sustainable Development" at the *International Conference of the Institute of Maitreya Studies*, Hong Kong, 29-31 March 2018.
- Sarao, K. T. S. (2018). "Muḥammad Qāsim and the Encounter of Indian Buddhists and Hindus with Islam" at the *National Conference on Indian History: Emerging Perspectives* organised by the Indian Council of Historical Research, New Delhi, 5-7 March 2018.

Sarao, K. T. S. (2018). “Universal Message of Buddhist Hybrid Sanskrit Literature”, special lecture at the *International Seminar on Universal Message of Buddhist Hybrid Sanskrit Literature* organised by the Rashtriya Sanskrit Samsthan, Deva Prayag, Pauri Garhwal, Uttarakhand, 4-5 February 2018.

M.Phil. / Ph.D. Degree Awarded

MPhil: 16

Ph.D.: 07

Faculty Strength

Permanent: 10

Ad-hoc: 04

Guest: 10

Other Significant Information

Prof. Gangnegi, H. P. (2018). Keynote Speaker of a National Conference on “आदिवासी साहित्य, संस्कृति और कला : चुनौतियाँ एवं संभावनाएँ” jointly organised by Hindi Department of Delhi University and Indra Gandhi National Arts Centre (IGNAC) New Delhi in Seminar room no-22 Arts Faculty, Delhi University on April 12th -13th, 2018.

Prof. Gangnegi, H. P. (2017). Keynote Speaker in the National Conference on entitled “Dr. B.R Ambedkar’s Vision of India” organised by Zakir Hussain Delhi College (Evening) on 21st and 22nd March, 2017.

ENGLISH

Major Activities and Achievements

During the period spanning from April 1, 2017 to March 31, 2018 the Department of English, University of Delhi organised a number of seminars and conferences apart from the MA Previous Year Students’ Orientation Programme in the month of August 2017. A three day International Conference on “The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories”, was organised in collaboration with IGNC, Sahitya Akademy and Indonesian Embassy on 6th, 7th and 8th April 2017. A two day National Seminar on “Crossing Borders: Exploring new paradigms of interdisciplinary and translationism”, was organised on August 22-23, 2017. A three day International Conference on “Interrogating Disability Studies: Literature, Culture, Performance”, was organised in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademy on March 8-10 2018. A three day International Conference on “World Literatures: Postcolonial Perspectives”, was organised in collaboration the Department of Germanic and Romance Studies of Delhi University on March 15-17, 2018.

Apart from the aforementioned conferences and seminar a number of Academic Talks were also hosted by the Department and its different centres such as Centre for Academic Translation and Archiving (CATA), Centre for Dalit Studies (CDS), and Centre for Violence, Memory, and Trauma (CSVMT). In collaboration with the 1947 Partition Archive the Department’s Centre for Violence, Memory and Trauma (CSVMT) organised an exhibition on “Remembering Partition: Memory through Ages” from 16 October 2017 to 5 November 2017. Besides on February 21, 2018, 1947 Partition Archive and CSVMT, Department of English, DU organised a “Story Scholars Fellowship Orientation.” On April 19, 2017 the Centre for Dalit Studies also organised an exhibition of art on “The Ganja-Mahua Chronicles.”

Honours/Distinctions

Bhattacharya, R. (2017). Invited to be member of Jury for the Big Little Book Award, 2017, by Parag, Tata Trust, for best writer in children’s literature in Bangla. 2017.

Chatterjee, S. (2017). Academic Writing Fellow, Rockefeller Foundation, Bellagio Center, Italy, October-November 2017.

Kumar, R. Governing Body, Bhagini Nivedita College, University of Delhi, Delhi.

Kumar, R. Governing Body, International Students’ Hostel, University of Delhi, Delhi.

Kumar, R. Governing Body, Rajiv Gandhi Women’s Hostel, University of Delhi, Delhi.

Kumar, R. Member, Board of Studies, Central University, Mahendergarh, Haryana.

Kumar, R. Member, Board of Studies, Guru Gobind Singh Indraprastha University, Delhi.

Sharma, A. (2017). Invited as an Expert by the Indira Gandhi National Centre for the Arts, Janapada Sampada Division, to participate in the National Consultative Meeting to Identify and Discuss the Available Regional Variations of Mahabharata in the Country. Presented on "The Mahabharata and its inter-Asian Variants." May 26, 2017.

Sharma, A. (2018). Keynote Address, "From Carnival to the Carnivalesque: Bakhtin's Rabelasian Body and the Idea of Rupture." The Annual Literary Festival on the Carnivalesque at the Delhi College of Arts and Commerce. 27th January, 2018.

Sharma, A. (2018). Invited Chair and Discussant for the 9th Suniti Kumar Chatterji Memorial Lecture delivered by Professor Sachidanand Mohanty, Vice Chancellor, Central University of Orissa. Indira Gandhi National Centre for Arts, New Delhi. 30th January 2018.

Sharma, A. (2018). Invited Chair for the Book Launch and Discussion of Dr. Salila Kulshreshta's From Temple to Museum: Colonial Collections and Uma Mahesvara Icons in the Middle Ganga Valley. India International Centre. 10 January 2018.

Publications

Antony, S. (2017). Transcending the (Generic) self: Liminality in Merrily Weisbord's the Love Queen of Malabar: Memoir of a Friendship with Kamala Das. In *Explorations in Critical Humanities: A Collection of Essays*. India: Viva Books.

Babu, Hany M. T. (2017). Language puzzles: Using linguistic data as a learning resource. *Indian Linguistics*, 78(1-2), 159-166.

Bhattacharya, R. (2017). Between the lines. *Language and Language Teaching*, 62(12), 64-72.

Bhattacharya, R. (2017). Performance and 'Begging Missions'. *Economic & Political Weekly*. 52(19), 64-70.

Bhattacharya, R. (2017). Speaking of food: Apple, ice-cream, posto, pista, roti: Trends in Language Teaching, (82-96). Hyderabad: Orient Black Swan.

Bhattacharya, R. (Trans.) (2017). B. Bandyopadhyay's Aranyak: Of the forest. The India List (Series). Kolkata & Chicago: Seagull Books with Chicago University Press.

Bhattacharya, R. (Trans.). (2018). The Philosopher's Stone by Parashuram and 'Nyadosh, the heavenly cow' by Mahasweta Devi, Timeless Tales from Bengal. New Delhi: Neogi Books.

Bhattacharya, R. (Trans.), (2018). Sworn Sisters and the gift of Water. Kolkata: Sahitya Akademi.

Bhattacharya, R. (Trans.), (2018). B. Bandyopadhyay's Restless Waters of the Ichhamati. New Delhi: Rupa.

Chatterjee, S. (2017). To Be Made Over: Vietnamese-American Re-Education Camp Mémoires. In *War Stories: The War Memoir in History and Literature*, (229-251). New York: Oxford.

Chatterjee, S. (2017). The media, the university, and the public sphere: Special article. *Economic & Political Weekly*, 52 (11), 55-61.

Chatterjee, S. (2017). The Distant Shores of Freedom: recollecting and rehabilitating Vietnam in America. In *War Memories: Commemoration, Recollections, and Writings on War*, (115-131). Montreal, London, Chicago: McGill-Queen's University Press.

Chatterjee, S. (2017). However Imperfect the Representation. In Jean-Jacques Malo (Ed.), W. D. Ehrhart in *Conversation: Vietnam, America and the Written Word*, (16-60). Jefferson: McFarland.

Devadawson, C. (2017). Shankar's graphic elegy and the emergence of neo-colonial India. *Writing Art, Art Ichol*.3,18—25.

Devadawson, C. (2017). Visuality, spectacle and the common good, in India today, *Faith in Higher Education, University of Roehampton + CUAC*, 97-107.

Devadawson, C. (Ed.), (2017). Word Image Text: Studies in Literary and Visual Culture (Rpt). Delhi: Orient Black Swan.

Kumar, R. (Trans.), (2017). Bheda: An English translation of Akhila Naik's Bheda, the first Odia Dalit novel with a long Introduction. New Delhi: Oxford University Press.

- Kumar, R. (2017). Caste Class Oppression in Indian Literature: A Reading of Premchand's Godan. *International Journal of Communication*. 27(1).
- Kumar, R. (2017). Caste, Class and Gender: A Reading of Dalit Patriarchy. *Rama Devi Women University Journal of Social Sciences and Humanities*, 2.
- Kumar, R. (2018). Caste and local culture: Muli revisited. *Ravenshaw Journal of Literary and Cultural Studies*, 8.
- Kumar, R. (2017). Who is the Author of Madhusudan Rao's Barnabodha? *Natabara Samantaray: A Reader*. New Delhi: Sahitya Akademi.
- Panja, S. (2017). *Sidney, Spenser, and the Royal Reader*. UK, Newcastle: Cambridge.
- Panja, S. (Ed.) (2017). *Signifying the Self: Women and Literature*. (Rev. Ed). Delhi: Macmillan.
- Panja, S. (2017). Curfewed Night in Elsinore: Vishal Bhardwaj's Haider. In Shweta Rao Garg and Deepti Gupta (Ed.), *The English Paradigm in India: Essays in Language, Literature, and Culture*. (101-109). Palgrave Macmillan: Jean-Jacques Malo.
- Panja, S. (Ed.), (2017). *Word Image Text: Studies in Literary and Visual Culture*. (Rpt.). Delhi: Orient Black Swan.
- Raja, I. (2017). New Literatures: The Indian Subcontinent and Sri Lanka. *The Year's Work in English Studies*, (1179-1189). Oxford: OUP.
- Raja, I. (2017). South Asian Keywords: Funda. *South Asia: Journal of South Asian Studies*, 40(2), 308-310.
- Sharma, A., and Sabharwal. (2018). Anger is a Short Madness. In *The Psychological Impact of Partition in India*. New Delhi: Sage.
- Singh, V.K. (2018). Contemporary Tribal Life: Facts through Fiction. In *Situating Tribals of India (Culture, Language and Self)*, (47-64). Delhi: Yash Publisher.

Journals

Number of faculty members serving as Editor(s)/Member(s) of Editorial Board—06

- Bhattacharya, R. Member, editorial advisory board for a new book series, "New Directions in Comparative and International Education," by Bloomsbury Academic Publishing.
- Dubey, Y. K. Article Editor for Sage Open.
- Chatterjee, S. Member, Scientific Committee (Editorial Board), *Revue Lisa / Lisa e- Journal*, University of Rennes, France, 2016 onward. <http://lisa.revues.org/3975#tocto1n5>
- Kumar, R. Member, Editorial Board, *Fortell*, Delhi.
- Kumar, R. Member, Editorial Board, *Ravenshaw Journal of Literary and Cultural Studies*, Cuttack, Odisha.
- Qadeer, H. Member, Editorial Board, *Journal of Higher Education*, Jammu and Kashmir.

Research Projects

International Grants-

- WISER, University of Witwatersrand, Johannesburg, South Africa collaborative project, coordinated by Prof Isabel Hofmeyr, "Indian Ocean Humanities", Bhattacharya, R. International Partner.
- Indo-German Partnership in Higher Education (IGP), UGC-DAAD's Interdisciplinary Project 'Writing the Cosmopolitan Imagination: Genre Transactions in World Literary Space, 01 July 2016 – 30 June 2020. Devadawson, Christel R. Principal Investigator, Rs. 10722321/-.
- Indo-Canadian Fellowship for two years along with Dr. Shelley Hulan, University of Waterloo, Canada, 2017-2019, Panja, Shormishtha. Rs. 5 lakhs per annum.

Seminars Organized

Talk Hosted by the Department (07)

- Berthet, S. (2018) Assistant Professor, Shiv Nadar University. "Across Asia: Shipbuilding technology and culture in Chittagong." August 25, 2017.
- Chauhan, V. (2017) Associate Professor, Department of English, Zakir Husain College, University of Delhi. "People's Linguistic Survey of India: a survey and a movement" August 21, 2017.

Desai, R.W. (2018) Former Professor of English at the University of Delhi. Literature and Politics.” February 28, 2018.

Kona, P.R. (2018) Professor, Department of English, EFLU, Hyderabad. “Being and a Sense of Nothingness in the tragedy of King Lear.” March 15, 2018.

Kona, P.R. (2018) Professor, Department of English, EFLU, Hyderabad. “Romantic Revolution: Between Nostalgia and Utopia.” March 16, 2018.

Mehmood, S. (2018) Independent Scholar. “Kuch Ishq Kiya, Kuch Kaam: Revisiting Faiz Ahmed Faiz.” February 15, 2018.

Singh, A. (2018) Assistant Professor, Centre for Studies in Social Sciences, Kolkata. “Constructing Bhojpuri Language and Peoples: Methodological Reflections.” January 18, 2018.

Conferences Organised (05)

Aneja, A. (2018). Convener of the International Conference on “Interrogating Disability Studies: Literature, Culture, Performance.” Organised by the Department of English (DU) in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademy on March 8-10 2018.

Raja, I. (2018). Convener, International Conference on World Literature Postcolonial Perspectives, a collaborative conference between the Department of English and the Department of Germanic and Romance Studies, University of Delhi, and the Department of English and American Studies, Potsdam University, 15-17 Mar 2018.

Sharma, A. (2017). Convener of the International Conference on “The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories”, was organised in collaboration with IGNC, Sahitya Akademy and Indonesian Embassy on 6th, 7th and 8th April 2017.

Seminar/Conference Presentations (25)

Antony, S. (2017). “The Vicious Circle: Heterotopia(s) in Dave Eggers’ The Circle (2013)” at Theorising Space: Three Day National Conference on the Intersections of Space and Culture organised by the Department of Humanities, Indian Institute of Space Science & Technology in collaboration with Centre for Cultural Studies, University of Kerala and Littcrit, held at the Department of Humanities, Indian Institute of Space Science & Technology, Trivandrum, Kerala, 14-16 December, 2017.

Bhattacharya, R. (2017). ‘Gender: Self and Society—The Visible and the Elusive’ at Faculty Development Programme at the Department of English, Delhi College of Arts and Commerce (DCAC), New Delhi, on November 10, 2017.

Bhattacharya, R. (2018). ‘Rehearsing with Rabindranath: Memory, place and movement’ in the seminar on ‘Time, Historicity and Memory’, organised by the National School of Drama, held at Jorasanko Thakurbari, Rabindra-Bharati University, Kolkata, 5-6 March 2018

Chatterjee, S. (2017). Be a better American: Returns and Refashioning in Andrew X. Pham’s Catfish and Mandala –A Two-Wheeled Voyage through the Landscape and Memory of Vietnam.’ Seminar on ‘Crossing Borders: Exploring New Paradigms of Interdisciplinarity and Transnationalism. University of Delhi, Delhi. 22-23 August 2017.

Chatterjee, S. (2017). Poetics and Politics in Poetry of the Vietnam War. Indian Council of Social Science Research (ICSSR)-sponsored National Seminar on ‘Socio-Economic Impact on 20th Century American Poetry.’ Sankardev College, Shillong. 7-8 December 2017.

Devadawson, C. (2018). “Graphic representation and the challenge of Dalit movements”, Dyal Singh (E) College, University of Delhi, March 2018.

Devadawson, C. (2018). “Thoreau and the peopling of a mindscape, Thoreau and the Transcendentalists”, Bharati College, University of Delhi, March 2018.

Dubey, Y.K. (2018). “Philosophies in Vernacular and Colloquial: Awadhi Folktales” Seminar on “Philosophy and Aesthetics.” Organised by the department of English and Other European Languages, Dr H G University, Sagar MP. National Seminar February 19-20, 2018.

Kumar, R. (2018). The Language of Translation in a seminar organised by Kirori Mal College, University of Delhi, Delhi on 21.02.2018.

Kumar, R. (2017). Autobiographies of the Marginal in a seminar organised by the Department of English, Delhi College of Arts and Commerce, Delhi on 10.11.2017.

Kumar, R. (2017). 'Caste, Culture and Politics: A Reading of Omprakash Valmiki's Jhootan' a special talk organised by the Department of English and Foreign Languages, Banastali Vidyapeeth, Rajasthan on 19.11.2017.

Kumar, R. (2017). 'Creative Theory in Dalit Context: Reading Akhila Naik's Bheda' in The Creative Theory Colloquium organised by Indian Council of social Science, Delhi on 05.09.2017.

Kumar, R. (2017). 'Reading New Literatures' in a Panel Discussion organised by Jaypee Institute of Information and Technology, Noida on 11.11.2017.

Kumar, R. (2017). 'Sociology of Self: Reading Indian Autobiographies' in Refreshers Course organised by Centre for Social System, School of Social Sciences, Jawaharlal Nehru University, New Delhi on 11.08.2017.

Kumar, R. (2017). 'Understanding Dalit Aesthetics' in Summer School jointly organised by the Department of English and Department of Education, Haryana Central University, Mahendergarh on 03.04.2017.

Kumar, R. (2017). 'Understanding Gender in India' in a seminar organised by the Department of English, Shyam Lal College (Evening), Delhi on 16.08.2017.

Kumar, R. (2018). 'Autobiography: Reading Self, Society, Nation' in a seminar organised by Swami Shradhanand College, University of Delhi, Delhi on 28.02.2018.

Kumar, R. (2018). 'Biswamoy Pati and Writing of Odisha History' in a seminar organised by Odisha Gabeshana Chakra and Nabakrushna Choudhury Centre for Development Studies, Bhubaneswar on 28.01.2018.

Kumar, R. (2018). 'Narrating the War: The 1965 Stories' in a seminar organised by Sahitya Akademi, Delhi on 16.02.2018.

Kumar, R. (2018). 'The Home and the World: Understanding Dalit Aesthetics' in an international conference jointly organised by the Department of English and the Department Germanic and Romance Studies, University of Delhi, Delhi on 16.03.2018.

Kumar, R. (2018). 'The Poetics and Politics of Lal Singh Dil' in a book discussion organised by Dr. Rajendra Prasad Institute, Delhi on 11.02.2018.

Kumar, R. (2018). 'The Poetics of Exile' in a national seminar organised by the Department of English, Shri Guru Nanak Dev Khalsa College, University of Delhi, Delhi on 28.03.2018.

Sharma A. (2017). "Eighteenth Century Visual Culture and Sterne's Tristram Shandy," at the Department of English Aurobindo College, Delhi University, 11th April 2017.

Sharma A. (2017). "Mary Wollstonecraft—Post Revolutionary Aesthetics," at the Department of English, Khalsa College, Delhi University, 6th November, 2017.

Other Inter-Institutional Collaboration

"Writing the cosmopolitan imagination: Genre transactions in world literary space" under the Indo German Partnership in Higher Education (IGP) with Potsdam University during 2017-18

Students under Exchange Programme

(A) The following students visited Potsdam University for the year 2017-18 as part of the student exchange of the project "Writing the cosmopolitan imagination: Genre transactions in world literary space" under the Indo German Partnership in Higher Education (IGP) with Potsdam University during 2017-18:

Payal A P, PhD, English

Musab Abdul Salam, MPhil, English

(B) Under the Foreign Exchange Student for Casual Affiliation — 2017-18 following students from the University of Edinburgh visited the Department of English:

Ms. Romey Olddworth

Mr. Rory Alexander Zinzan Scott

Placement Details (Number and percentage of students placed)

35 Students

Extension and Outreach Activities

Antony, S. Resource person for the MA Pre-entrance summer school for underprivileged students organised by the Department of English, University of Delhi, June 2017.

Dubey Y.K. Delivered lectures in two sessions in Pre-Entrance Summer School for weaker sections of the society, Department of English, University of Delhi, Delhi (June 2017).

Singh, V.K. Delivered lectures in two sessions in Pre-Entrance Summer School for weaker sections of the society, Department of English, University of Delhi, Delhi (June 2017).

Number of M.Phil. /Ph.D. Degrees Awarded

Ph.D.: 07

M. Phil.: 37 (These students passed in year 2017 but degree will be awarded in next convocation function)

Faculty Strength

Professor: 05 + 02 (vacant)

Associate Professor: 09 + 10 (vacant)

Assistant Professor: 08 + 02 (vacant)

Other Significant Information

Babu, Hany MT. Delivered two lectures at the Refresher Course, Academic Staff College, Jawaharlal Nehru University, Delhi. January 22, 2018.

Events in the Department: Talks Organised by the department in the past one year

National

Antony, S. (2017). Plenary Address: "Gastronomical Interventions and Gender Reconfigurations: Representations of Food and Gender in New Generation Malayalam Films", Directorate of Collegiate Education, Kerala sponsored national seminar on Gender Studies, Department of English, Govt. Arts & Science College, Kozhijampara, Palakkad, Kerala, 01-02, November, 2017.

Dubey, Y.K. (2018). Invited by the Department of English and Other European Languages, Dr H G University, Sagar MP for a Lecture on "Philosophy and Aesthetics." February 19-20, 2018.

Panja, S. (2017). "The Renaissance in Europe: An Introduction to the Intellectual Background" Satyawati College, University of Delhi, February 2017.

Panja, S. (2017). Keynote, "Shakespeare on the Indian Stage and Screen with special reference to Haider" "Shakespeare in Indian Literature and Languages" National Conference, Sahitya Akademi, Kolkata, January 2017.

Panja, S. (2017). Plenary, "Shakespeare in India" National Conference, "Contextualizing Shakespeare in India," LAD College for Women, Nagpur, February 2017

Qadeer, H. Invited Lecture on 'The Personal and Political in Mirza Ghalib's letters, Jindal University, Sonapat, India.

Qadeer, H. Two Invited lectures on English Language and Communication Skills at NIT, Kurukshetra, Haryana.

Raja, I. (2017). Guest Lecture: "When Ripeness isn't all: Ageing and Death in Three Indian Short Stories", Guest Lecture, Department of English, Potsdam University, Germany, Jun 2017.

Raja, I. (2017). 'To everything there is a season': Some speculations about body and time in Indian Fiction", National Conference on Ageing, Ageism and Cultures, Jadavpur University, Kolkata, India. [by invitation], Sept 2017.

Raja, I. (2018). Invited Lecture, Time for the Fruit to Fall? Deathbed Narratives in Modern Indian Literature', ANU, Canberra, Australia, 9 Feb 2018.

Raja, I. (2018). Keynote Lecture, 'Conspicuous Non-Consumption: Rethinking Agency in Contemporary Indian Fiction', and resource person at the National seminar on, The Politics of Food: Representations and Practices', St Theresa's College, Ernakulum, Kerala. [by invitation], 21 Feb 2018.

Sharma, A. (2017). "Eighteenth Century Visual Culture and Sterne's Tristram Shandy," at the Department of English Aurobindo College, Delhi University, 11th April 2017.

Sharma, A. Invited Expert. 10th November, 2017 '...I am made unlike any one I have ever met': Rousseau Confessions as Secular Autobiography and Romantic Self-Fashioning." Faculty Development Workshop for Credit Based Choice System for Undergraduate Studies at Delhi University at Delhi College of Arts and Commerce in collaboration with the Department of English, Delhi University.

Sharma, A. (2017). "Mary Wollstonecraft—Post Revolutionary Aesthetics," at the Department of English, Khalsa College, Delhi University, 6th November, 2017.

Singh, V.K. (2018). Delivered Lecture on "Role of English in Scientific/Research Writings." CEP on "Scientific Writing and Advance Publishing Tools," Defence Scientific Information and Documentation Centre, Delhi (March 2018) [Invitation].

International

Antony, S. (2017). "The Strange Case of the Indian Super League: A Study of Renaud Marquot's Documentary *Joue-la comme à Kochi* (Bend it like Kochi)" at the Postcolonial Studies Association (PSA) Convention 2017 held at the School of Advanced Study, Senate House, University of London, London, United Kingdom, September 18–20, 2017

Antony, S. (2017). "New Generation Malayalam Films as a Site of Liminality" at the 23rd International Conference on Social Science and Humanities (ICSSH), South Kensington Campus, Imperial College London, United Kingdom, 11-12 September, 2017

Antony, S. (2017). "Transcending the *tiNai*: a study of the literary, cultural and performative traditions of the Latin Catholic Community in Kerala" at Cross Multi Inter Trans Biennial Conference of the Association for the Study of Literature and the Environment (UK and Ireland) at Sheffield Hallam University, City Campus, Sheffield, United Kingdom, 6-8 September, 2017

Chatterjee, S. (2017). 'Aftermaths of the Vietnam War.' Public lecture at Università Ca' Foscari Venezia, Italy. 1 December 2017.

Chatterjee, S. (2018). 'Henry David Thoreau and the Politics of Civil Disobedience.' Plenary lecture at International Conference on 'Thoreau and the Transcendentalists: Their Philosophy and Related Concerns.' University of Delhi and India International Centre, New Delhi. 15-17 March 2018.

Devadawson, C. (2018). 'The Kiplings, Disney, and a visual conversation,' World Literature: Postcolonial perspectives, Deptts of English + Germanic and Romance Studies, University of Delhi, March 2018.

Panja, S. (2017). "Marlowe and Shakespeare Across Borders: Malta and Venice in the Early Modern World" Theatre without Borders, Cologne University, May-June 2017

Panja, S. (2017). "I shall lure you not with my beauty': Gender, Translation and Tagore's Songs" "Beyond Postcolonial Hermeneutics: Comparative Perspectives" International Conference, "School of Translation Studies & Training" IGNOU, March 2017.

Sharma, A. (2018). "Travelling Texts: Circulating Histories and Historical Ruptures in Indonesia: Lakshmi Pamuntjak's *Amba: The Question of Red*." 6th July, 2018. Chair and Paper Presenter at the International Conference Asia in Motion: Geographies and Genealogies at AAS-in-Asia, New Delhi.

Sharma, A. (2017). "Myth, Culture, Gender and Politics and the Indonesian Mahabharata: Reading Lakshmi Pamuntjak's *Amba: The Question of Red*." 7th April, 2017. The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories. The Department of English, Delhi University and supported by The Indira Gandhi Center for the Arts (IGNCA), Ministry of Education and the Indonesian Embassy. New Delhi.

Sharma, A. (2018). "From Mahatma to Madman? Gandhi as Refugee." 3rd January, 2018. India@70: Memories and Histories. IIT Kharagpur.

Sharma, A. (2018). "Colonial Imaginary and the Idea of Asia: The Project of British Romanticism." 17th March, 2018. World Literature: Postcolonial Perspectives. Department of English, Delhi University.

Sharma, A. (2018). "Networks of Empire and the Story of Opium: British Romanticism, Orientalism and Ghosh's *Ibis Trilogy*." 19th April, 2018. Annual Conference of the British Association of South Asian Studies at The University of Exeter, United Kingdom.

Workshops Conducted and Organised

Antony, S. (2018). Conference Committee Member, "Interrogating Disability Studies: Literature, Culture, Performance", Department of English, University of Delhi in collaboration with ICSSR, Samarthanam and Sahitya Akademi, Conference Centre, University of Delhi (Main Campus), 8-10 March, 2018

Vats, N. (2018). Chaired a session "Providing support and inclusion in curriculum" at International conference on Disability Studies: Literature, Culture, Performance organised by Department of English, University of Delhi (8-10 March, 2018).

Vats, N. (2018). Conference Committee Member, "Interrogating Disability Studies: Literature, Culture, Performance", Department of English, University of Delhi in collaboration with ICSSR, Samarthanam and Sahitya Akademi, Conference Centre, University of Delhi (Main Campus), 8-10 March, 2018.

GERMANIC AND ROMANCE STUDIES

Major Activities and Achievements

The Department organised the International Seminar on Imaginary Homelands from 8 – 10 March 2018; on World Literature: Postcolonial Perspectives from 15 – 17 March 2018; on Cosmopolitanism, Globalisation and Literary Space: Perspectives and Narrations of a (new) World Citizenship from 19 – 23 February 2018. The department also organised winter school for research students in collaboration with the University of Potsdam on the theme of Minor Cosmopolitanisms from 5 – 9 December 2017; Workshop on Translation & Didactics from 23 – 28 October 2017 and Workshop on Translation from 16 – 17 October 2017.

Publications (05)

Maran, R. (2018). *Écrivain colonial? Réflexions sur ses écrits biographiques d'après son Savorgnan de Brazza* in (Edited. Roger Little) *Interculturel Francophonies*, n° 33: René Maran: une conscience intranquille, Alliance Française Lecce, 2018.

Mazumdar, S. (2017). *Utopie/Dystopie in der deutschsprachigen und indischen Science-Fiction der Gegenwart*. In: Jianhua Zhu, Michael Szurawitzki and Jin Zhao, eds., *Akten des XIII. Internationalen Germanistenkongresses Shanghai 2015. Germanistik zwischen Tradition und Innovation*, Vol. 8. Frankfurt am Main, Berlin, Bern, Bruxelles, New York, Oxford, Wien: Peter Lang

Roy, T. (2017) *In giro con l'italiano*. Goyal Publishers Int. ISBN 9789386862495

Sawhney, M. (2017). *Elective Affinities. A Hispanist's tribute to Spain* in Dhingra, Anil. Lopez Nadal eds. *Indo Spanish Cultural Encounters 1956-2016*. New Delhi: ICCR. 478–483

Sawhney, M. (2018). *Latin American Travellers in Modern India* in Leila Choukroune, Parul Bhandari eds. *Exploring Indian Modernities: Ideas and Practices*. Singapore: Springer. 168–184

Research Projects (02)

DFG (German Research Foundation), "Minor Cosmopolitanisms", Research Training Group, Potsdam University, Humboldt University Berlin and Freie University Berlin, International Supervisor. 2016-2019. Amount sanctioned covers airfare and stay for Summer/Winter Schools and conferences.

UGC-DAAD, "Writing the Cosmopolitan Imagination: Genre Transactions in World Literary Space", collaborative research project bringing together the Departments of English and German at Delhi University and Potsdam University (Germany), UGC-DAAD Indo-German Partnerships in Higher Education Programme (IGP), 1 July 2016 to 30 June 2020, Coordinator. Amount sanctioned - Rs. 107, 22,321

Seminars organized (07)

International Seminar on Imaginary Homelands, Department of Germanic and Romance Studies, University of Delhi, 8 – 10 March, 2018.

World Literature: Postcolonial Perspectives, 15 – 17 March, 2018

Cosmopolitanism, Globalization and Literary Space: Perspectives and Narrations of a (new) World Citizenship, 19 – 23 February, 2018.

Winter School for research students on the theme of Minor Cosmopolitanisms, 5 – 9 December, 2017.

Workshop on Translation & Didactics, 23 – 28 October, 2017

Workshop on Translation, 16 – 17 October, 2017

Annual International Seminar on Imaginary Homelands, Department of Germanic and Romance Studies, University of Delhi, 8 – 10 March. 2018.

Seminar/Conference presentations (16)

Aggarwal, K., (2017). International Colloquium of APELA, *Images et Usages du Peuple dans les littératures de l'Afrique et de la Diaspora*, University of Alcalá, Alcalá de Henares, Madrid, Spain. September 12-15. 2017.

Aggarwal, K., (2017). International Colloquium on *La Relation franco-africaine: une nouvelle histoire politique et littéraire* (1975-2015), University of Strasbourg, France. April 11-13. 2017.

Aggarwal, K., (2018). Charles Forsdick (James Barrow Professor of French, U. of Liverpool, UK): *Sites of suffering, sites of memory*. March 13. 2018.

Aggarwal, K., (2018). International Colloquium, *Presse et littérature africaine(s)*, University of Montpellier-3. March 19-20. 2018.

Aggarwal, K., (2018). *Le Champ des études haïtiennes: définitions, enjeux et perspectives*. March 16-17. 2018.

Kumar, R., (2018). “In search of a homeland to belong: “*The moon and the bonfires*” by Cesare Pavese”. Three day international conference on Imaginary Homelands”, organised by the Department of Germanic and Romance Studies, University of Delhi. March 8 – 10. 2018.

Kumar, R., (2018). *Partition and Hindi films: a fictionalized version of indescribable human trauma*. 2 days national seminar held on 22nd and 23rd February 2018 by Satyawati College, (Eve.) University of Delhi in collaboration with National Council for promotion of Sindhi language, MHRD, Govt. of India on the topic “Bharat Vibhajan aur Sindhi Ashmita”.

Mazumdar, S., (2017). *Doing Cosmopolitanisms: Dynamics of Theory and Practice*, International Winter School with Potsdam University, University of Delhi. December 6-9. 2017.

Mazumdar, S., (2018) “*Which Way Home?*” – *Imagining Homelands*, Winter School, University of Delhi. 29 January- 2 February. 2018.

Mazumdar, S., (2018). *Cosmopolitanism, Globalisation and Literary Space-Perspective and Narrations of a (new) World Citizenship*, Nachwuchssymposium (19-21 Feb), Goethe Society of India International Conference (21-23 Feb), University of Delhi. February 19-23. 2018.

Mazumdar, S., (2018). *World Literature: Postcolonial Perspectives*, International Conference, University of Delhi, March 15-17. 2018.

Panda, E., (2017). *Deconstructing the queer aesthetics of Le bleu est une couleur chaude* by Julie Maroh, presented in the International Conference organised by the DGRS, DU, on the theme “New Experiments in Contemporary Literature”, March 2-4. 2017.

Panda, E., (2017). *Homeland fragmented in Monique Proulx’s short stories*”, presented in the International Conference organised by the DGRS, DU on, the theme, “Imaginary Homelands”, March 8-10. 2018. Ena Panda, *Questions de l’identité et de l’aliénation dans les nouvelles écrites par les écrivaines canadiennes contemporaines*, presented in the National Seminar on French and Francophone Studies, organised by Department of French and Francophone Studies, English and Foreign Languages University, September 14-16. 2017.

Panda, E., (2017). *Récit de voyage photo-littéraire : une étude de Noa Noa de Paul Gauguin*”, presented in the International Conference organised by BHU on the theme *Récit de voyage dans la Littérature française et francophone*, February 22-24. 2017.

Roy, T. (University of Delhi), and Tavosanis, M., (University of Pisa) (2017). “*Il focalizzatore anche nei testi scritti di studenti con lingue indoeuropee come LI*” at the SLI 2017 conference held at Naples, Italy. September 28-30. 2017.

Roy, T. (University of Delhi), and Tavosanis, M., (University of Pisa) (2017). “*Errori, sequenze e interferenze nell’apprendimento dell’italiano in India*” at the 2017 Conference of the American Association of Teachers of Italian (AATI) in Palermo (Italy).

National/International MoUs signed

University of Montpellier-III (French)
French-speaking Universities Agency (AUF)- (French)
University of Wuppertal (German)
Freie University, Berlin, Germany (German)
Potsdam University (German)
University of Santiago de Compostela (Spanish)
University of Navarra, Pamplona, Spain (Spanish)
University of Turin, Italy (Italian)

Placement details: Few companies like Accenture, Amazon hold a campus drive in the Department

Number of M.Phil/PhD Degree awarded:

PhD. - 01 in Hispanic Studies

Faculty strength: Permanent: 13

HINDI

Major Activities and Achievements

The Department of Hindi of the University of Delhi is one of the leading departments of the country. It creates, innovates, sustains and promotes high standards of academic excellence. The department has developed a very dynamic curriculum that can reflect and upgrade the needs of changing times, rapid growth in knowledge and requirements. High standard of research is maintained in the department as per UGC norms. The Department organised two National-level Seminars under DRS-SAP, a major Research program, funded by U.G.C. for 'Hindi Sahitya Ke Itihas Ka Punarlekhan and one National Seminar on 'Adivasi Sahitya, Sanskriti Aur Kala: Chunautiyan Evam Sambhavnaein' in collaboration with Indira Gandhi National Centre for the Arts (IGNC), New Delhi; 12-13 April, 2018.

Publications (15)

- Kamble, M. M. (2017). *Sampreshan: Chintan Aur Dakshta*. 938-51448-98, 978-93851-4489-9.
- Kumar, S. (2017). *Aatmasajag Kala-Drishti Ka Zokhim*, Banas Jan; 25, pp. 89-97.
- Kumar, S. (2017). *Jeevan Jeene Ki Prakriya Aur Rachna-Prakriya Ke Prati Asadharan Sajagta*; Pakshdhar; 23, pp. 145—158.
- Negi, S. L. (2017). *Paryatan Ke Samajik-Sanskritik Sarokar; Kinner Desh Mein*; Jankriti International Magazine, 2.
- Negi, S. L. (2017). *Thery Gathaon Mein Vayakt Muktkami Swar*; Streekal e-Magazine,
- Negi, S. L. (2017). *Visthapan Aur Adivasi Stree*; Jankriti International Magazine, 3.
- Patel, R. (2018). *Madhyakalin Samaj Aur Sant Dadu Ka Sahitya*: Sahriday; issue pp. 34-35, 240-244.
- Patel, R. (2018). *Muktibodh Ka Kavya Mulya, Srijan*; issue 21; pp. 4-6.
- Rai, A. (2017). *Acharya Shivpujan Sahay Ka Gadya*. Nai Dhara, Patna; 3-4
- Rai, A. (2018). *Acharya Dwivedi Ki Dharohar*. Jansatta
- Sharma, K. (2017). *Bhartiya Sahitya Ke Nirmata: Ambika Prasad Bajpai*. New Delhi: Sahitya Academy.
- Tiwari, V. (2017). *Nityanand Tiwari Ki Aalochna Drishti*; Samkalin Soch, 63, 71-79
- Tiwari, V. (Ed.). (2018). *Acharya Hazariprasad Dwivedi Ke Shrestha Nibandh*. Allahabad: Lokbharti Prakashan.
- Tiwari, V. (2018). *Nazim Hikmat Ke Desh Mein*. Haryana: Aadhar Prakashan.
- Tiwari, V. (2018). *Samiksha Ka Ek Khuley Sanskritik Parivesh Se Judna Review*; 4, pp. 211-213

Research Projects (01)

University Grants Commission. On Going Major Research Project, Topic: “*Hindi Jansanchar Madhyamon Mein Anuvaad Ki Prakriya Ka Bhashik Vishleshan*”, (2015-2018), Dr. Manju Mukul Kamble, Rs. 12.49 Lakh.

Seminars Organised (01)

Negi, Sneha Lata organised a seminar on ‘Social Perspective of Folk Arts’; Speaker : Dr. Kapil Tiwari, Former Director, Madhya Pradesh Tribal Academy, February, 2018

Seminar/Conference Presentations (14)

Sharma, K. (2017). Hindi Navjagran Aur Shivpujan Sahay at Sahitya Academy, Delhi, September 28, 2017.

Sharma, K. (2017). Media Mein Mahilaon Ki Kshavi at University of Allahabad, December 09, 2017.

Sharma, K. (2017). Samkalin Jeevan Ke Pariprekshya Mein Nari Ki Mansik Vihwaltaon Ki Prastuti – Hindi Sahitya Mein: at University College Thiruvananthapuram, Trivendram, April 21 & 22, 2017

Sharma, K. (2017). Stree Lekhan Ki Chunaotiyan Aur Sambhavnayein : Internationl Seminar at Tribhuvan University, Nepal, August 27-28, 2017.

Sharma, K. (2017). Vaishvik Patal Par Hindi at Haryana Sahitya Academy, September 12, 2017.

Sharma, K. (2018). Gender Discourse in India : Recent Trends : at Kanpur; Organised by Centre for the Study of Society and Politics (CSSP), February 27, 2018.

Sharma, K. (2018). Hindi Sahitya Aur Vimarsh : Sandarbh Dalit Chetna in Brahmaputra Festival, Guwaahati; Organised by National Book Trust of India, December 09, 2017.

Sharma, K. (2018). Stree Lekhan Mein Stree in Brahmaputra Festival, Guwaahati; Organised by National Book Trust of India, February 10, 2018.

Sharma, K. (2018). Swadhinta Sangram Mein Rashtriya Kavyadhara Ke Kaviyon Ka Yogdan at Jodhpur; Organised by Jai Narayan Vyas University, Jodhpur, March 25, 2018.

Sharma, K. (2018). The Challenges to Women’s Freedom Today National Seminar at Sahitya Academy, Delhi, March 08, 2018.

Tiwari, V. (2017). Bhoomandaliya Yathartha Aur Nai Sadi Ki Kahani; SIES College, Mumbai University, Mumbai, April 20, 2017

Tiwari, V. (2017). Samkalin Katha Lekhan Bhasha, Academic Staff College, Jamia Millia Islamia, New Delhi, September 15, 2017

Tiwari, V. (2017). Tulsi Ke Kavya Mein Ramrajya Ki Sankalpana, Kamla Nehru College, University of Delhi, Delhi, August 29, 2017

Tiwari, V. (2017). Sahitya Shikshan Pravidhiyan ke Antargat Kahani Shikshan, Sankay Visheshagyata Karyakram (FDP), I.P. College, University of Delhi, September 20, 2017

Number of M.Phil. /Ph.D. Degrees Awarded:

Ph.D. :27

M.Phil. :18

Faculty Strength:

Permanent: 20

LIBRARY AND INFORMATION SCIENCE

Major Activities and Achievements

During the academic session 2017-2018, the Department successfully organized the following academic activities which received overwhelmed responses and accolades from the different stakeholders of Library and Information Science fraternity across the country.

71st Annual Day Function- 2017 was organized on 20th April 2017 graced by Hon'ble Prof. Tarun Kumar Das, Registrar-University of Delhi as Chief Guest. Hon'ble Prof. Inder Mohan Kapahy, Member, University Grants Commission (UGC) as Keynote speaker and Hon'ble Prof. Ramsaran Gaur, Chairman, Delhi Public Library as Guest of Honour. The eminent guests shared their experiences and inspired the students to shoulder the professional responsibilities with dedication and commitment.

Celebrated 'Librarians Day' on 126th Birth Anniversary of Padma Shree Dr. SR Ranganathan on 11th August 2017 by inviting Hon'ble Prof. Devesh K. Sinha, Dean of Colleges, University of Delhi as Chief Guest; Hon'ble Prof. D K Singh, Dean Recruitment and Promotions, University of Delhi as Guest of Honour and Dr. Usha Mujoo Munsri, Chief Librarian, Indian Institute of Public Administration (IIPA) as Keynote Speaker. The guests shared their vision and experiences with students.

Celebrated 'Teachers Day' on 5th September 2017 by inviting Hon'ble Prof. Maharaj K Pandit, Dean Science, University of Delhi; Hon'ble Prof. Neeta Sehgal, Proctor, University of Delhi as Guest of Honour and Hon'ble Prof. M. Moni, Ex Director General, National Informatics Centre (NIC) as Keynote Speaker. The speakers discussed and explained their views and experiences.

Honours and Distinctions

Dr. KP Singh: 'DLA- Distinguished Faculty Award-2017, conferred by Delhi Library Association (DLA).

Dr. M Madhusudan: Award for Excellence in Research by Education expert- 2017

Publications (54)

Ajeemsha, S. and Madhusudhan, M. (2017). Role of designation and agencies for learning: A study of Library Professionals working in Central University Libraries of South India. In Ajit Kumar (Ed), (pp. 114-118). Delhi: G B Books.

Asmi, N. A. and Madhusudhan, M. (2017). Academic social networking sites for researchers in Central Universities of Delhi: A study of Research Gate and Academia. *Global Knowledge, Memory and Communication (previously published as: Library Review, Emerald)*. 67(1-2), 91-108.

Bebi and Kumar, S. (2017). Contributions by women faculties of Physics from select Institutions of Delhi: A scientometrics study. *DESIDOC Journal of Library and Information Technology*. 37(6), 410-416.

Bharti and Meera. (2017). Research output of University of Delhi and Jawaharlal Nehru University in the field of Arts and Humanities: A study of Thomson Scientific Database during 2004-2016. *International Journal of Research in Library Science*. 3(2), 40-63.

Bhatt, R.K. (2017). Information consolidation & repackaging in agriculture sector of India: An evaluative study. In Knowledge Organization, Access and Management in the Digital Environment: Emerging Dimensions: Festschrift in Honour of Prof K. Somasekhara Rao, (pp. 71-80.). Hyderabad: Academic Book Publishers.

Bhatt, R.K. (2017). The survival kit for libraries: A marketing approach. New Delhi: K. K. Publication.

Chander, H. and Singh, K.P. (2017). Publication of Punjabi books by Sahitya Akademi, Delhi: A study. *Journal of Library and Information Science*, 42 (1-2), 43-51.

Chander, M. and Singh, K.P. (2017). Research productivity in Environmental Sciences: A review study. *Journal of Library and Information Science*, 42 (1-2), 119-135.

Dey, T. and Singh, K.P. (2018). Indian Journal of Chemistry Section B: A bibliometric study. In KP Singh (Ed.), Proceedings of National Conference on ERMED: Digital Health India: A Reality, (pp. 200-220). New Delhi: Allied Publishers.

Gupta, M. and Walia, P. K. (2017). Web presence and structure evaluation of the European national libraries' websites: a study. *Library Philosophy and Practice*. Retrieved from <http://digitalcommons.unl.edu/libphilprac/1809>.

Gupta, P. and Madhusudhan, M. (2017). A review of literature on the recent developments in the application of electronic security system in libraries. *Journal of Library and Information Science*, 42(1-2), 136-152.

Gupta, P. and Madhusudhan, M. (2017). RFID technology in libraries: A review of literature of Indian perspective. *DESIDOC Journal of Library & Information Technology*, 37(1), 58-63.

Gupta, P. and Madhusudhan, M. (2017). Use of multifaceted electronic security systems in a library environment. *Journal of Knowledge & Communication Management*, 7(2), 116-130.

- Gupta, P. and Madhusudhan, M. (2018). Security of Library Materials: Challenges and Solutions. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp. 402-414). Hyderabad: B S Publications.
- Jhamb, Garvita, and Meera. (2017). Collaborative pattern of the scientists from National center for Antarctic and Ocean Research, Goa, India. *In the proceedings of the 6th National Conference of Institute of Scientometrics on Information for all: Scientometrics, Infographics, Social Media, & Public Libraries*, (pp. 53-62).
- Jhamb, Garvita, and Meera. (2017). Performance appraisal of Library and Information Science professionals. In Amit Kumar & Vinod Kumar Singh (Eds.), *New Horizons of Librarianship in Knowledge Society* (65-83). Delhi, India: Today and Tomorrow.
- Jhamb, Garvita, and Meera. (2017). Work Environment in the libraries: A study. *Journal of Information Management*, 4(1), 23-34.
- Kumar, M. (2017). Marketing of library products and services by select Indian Institute of Technology libraries in India. *Veethika*, 3(4), 9-23.
- Kumar, M. (2017). Role of library staff in marketing of library products and services with user's response: A study of select IIT libraries in India. *Veethika*, 3(4), 49-66.
- Kumar, M. (2017). Students awareness about plagiarism: A study of University of Delhi. *Veethika*, 3(3), 58-72.
- Kumar, M. (2017). User study of marketing of Library and Information Science products and services by Indian Institute of Technology Bombay library. *Veethika*, 3(3), pp.15—33.
- Kumar, M. (2018). Marketing and library services: A study of Indian Institute of Technology Roorkee library. *Veethika*, 4(1), 27-44.
- Kumar, M. (2018). Marketing of library products and services: Inevitable for libraries survival and futuristic approach. *Journal of Library and Information Science*, 42(1-2), 98-118.
- Kumar, M. and Singh, K. P. (2017). User study of marketing of library and science products and services by Indian Institute of Technology Delhi library. *Library Herald*, 55(4), 547- 61.
- Lamba, M. and Bhatt, R.K. (2017). Marketing of library products and services in select medical libraries in Delhi in digital environment: A comparative study. In a 2nd international conference of Asian Libraries 2017: Jamia Millia Islamia, Delhi. 179-192.
- Lamba, M. and Madhusudhan, M. (2018). Application of topic mining and prediction modeling tools for Library and Information Science Journals. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp. 395-401). Hyderabad: B S Publications.
- Leishichan, Z. and Meera. (2017). Authorship pattern and collaborative research in the field of Political Science in India. *In the proceedings of International Conference on Knowledge Organization in Academic Libraries (I-KOL-2017)* (pp. 112-120), held at Goa University on 15-16 December 2017.
- Madhusudhan, M. (2018). Leveraging Q R (Quick Response) Code as frugal innovation in Academic Libraries. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp.415-425). Hyderabad: B S Publications.
- Madhusudhan, M. (2018). *Library Practices in Digital Era*. (Ed.). New Delhi: B S Publications.
- Madhusudhan, M., and Dar, S. A. (2017). Mobile information services and initiatives in university libraries: A new way of delivering information. *DESIDOC Journal of Library & Information Technology*, 37(2), 109-118.
- Meera and Kimi. (2018). A multimedia perspective of Sangeet Natak Akademi and Prasar Bharati archives: A comparative study. *ISST Journal of Advances in Librarianship*, 9(1), 45-56.
- Meera and Ruchi (2017). Collaboration pattern in Library Heralds: A scientometric study. *International Journal of Engineering Technology, Management and Applied Sciences*. 5(6), 189-195.
- Meera and Singh, J. (2017). Use of anti-plagiarism tools by research scholars of Jawaharlal Nehru University and University of Delhi: a study. *International Journal of Research in Library Science (IJRLS)*. 3(1), 203-223.
- Meera, and Jhamb, G. (2017). LIS professionals' recruitment, selection, placement and induction practices in select libraries in Delhi. *Library Herald*. 55(4), 530-546.

- Meera, and Jhamb, G. (2017). Training and development of professionals in select libraries in Delhi. *Journal of Library and Information Science*, 42(1-2), 64-65.
- Misao, P., and Madhusudhan, M. (2017). Online citation tools: A comparative study. *World Digital Libraries*, 10(2), 113-131.
- Rani, R., and Kumar, S. (2017). Information needs of student artists of college of arts, University of Delhi and faculty of Fine Arts, Jamia Millia Islamia: A study. *Journal of Library and Information Science*, 42(1), 32-42.
- Satija, M.P., Daniel, M. A. and Segundo, R. S. (2018). Library classification and S R Ranganathan: A guide, Manuel (Ed.) New Delhi: Satija Research Foundation for Library and Information Science (SRFLIS) and ESS Publications.
- Senthil, V. and Madhusudhan, M. (2018). DRDO e-journal consortium in Defense Science and Technology. *DESIDOC Journal of Library & Information Technology*, 38(1), 16-20.
- Sharma, R. and Madhusudhan, M. (2017). Use of mobile devices by Library and Information Science students in central universities of Uttar Pradesh. *DESIDOC Journal of Library & Information Technology*, 37(4), 293-302.
- Siddiqui, S. Kumar, M. and Walia, P. K. (2017). Research paradigms in social sciences: A case study of Shodhganga. CALIBER 2017 Retrieved from caliber.inflibnet.ac.in
- Singh, K. P. (2018). Historical glimpses of Department of Library and Information Science, University of Delhi and remembering the first generation of teachers and alumni: Preserving its diversity. *Library Herald*, 56(2), 197-2018.
- Singh, K. P. and Chander, H. (2017). Books published in Punjabi: A case study of Bhasa Vibhag, Punjab. *Library Herald*, 55 (1), 89-100.
- Singh, K. P. and Shukla, K. (2017). Study of Library and Information Science journals in India Indexed in Major Indexing and Abstracting sources worldwide. In M P Singh (Ed.), *Revisiting Library Profession-Festschrift Volume in Honor of Prof. B. S. Nigam*. Delhi: The Book Line.
- Singh, K.P., Chander, H. and Shukla, A. (2017). Library and information science Journals in India: A qualitative study. In B Ramesh Babu, et al. (Eds.), *Knowledge organization, Access and Management in the Digital Environment: Emerging Dimensions-Festschrift in Honour of Prof. K. Somasekhara Rao*, (pp. 420-428). Hyderabad: Academic Book Publishers.
- Singh, M. and Bhatt, R. K. (2017). Promotion of library and information sources and services: Sales promotion. In proceeding of the international conference on knowledge organization in academic libraries (I-KOAL: 2017) jointly organized by Library Professionals Association (LPA) and Goa University, Goa.
- Singh, V. and Madhusudhan, M. (2018). Information security measures of libraries of central universities of Delhi: A Study." *DESIDOC Journal of Library & Information Technology*, 38(2), 102-109.
- Singhal, N. and Meera. (2017). Job satisfaction among LIS Professionals in select health science libraries in Delhi: a study. 11th International CALIBER 2017on "Reenvisioning Role of Libraries, held at Anna University Chennai, 2-4 Aug 2017.
- Sohal, K. M. and Walia, P. K. (2017). Use of social media technologies (SMTs) by faculty members, research scholars and post-graduate students in management studies. *SRELS Journal of Information Management Studies*, 54(4), 204-210.
- Srivastava, Gaur, G., Bhatt, R. K., Hussain, S. and Ruhella, A. (2016) Preservation and access of culture heritage (Manuscripts) knowledge: A case study of Nehru Memorial and Museum and Library. *Journal of Library and Information Science*. 42(1-2), 18-26.
- Srivastava, Gaur, G., Bhatt, R.K. and Ansari, M. (2017). Competencies for LIS Professional in ICT environment. *Journal of Library and Information Science*, 42(1-2), 25-31.
- Tiwari, N., and Singh, K. P. (2018). Human resource development in libraries: A literature review. *Library Herald*, 56(2), 242-254
- Verma, S. and Madhusudhan, M. (2018). Altmetrics tools to measure research impact beyond traditional bibliometrics. In Rama Nand Malviya, et al. (Eds.), *Changing digital landscape in SMART environment*, (pp. 305-309). New Delhi: Orange Books.

Conference/Seminar Presentations (07)

Dey, T. and Singh, K. P. (2018). Indian Journal of Chemistry Section B: A bibliometric study. In Proceedings of National Conference on ERMED: Digital Health India: A Reality Edited by KP Singh. Allied Publishers: New Delhi. P. 200-220.

Jhamb, Garvita and Meera. (2017). Collaborative Pattern of the scientists from National centre for Antarctic and Ocean Research, Goa, India. In the proceedings of the 6th National Conference of Institute of Scientometrics on Information for all: Scientometrics, Infographics, Social Media, & Public Libraries (pp. 53-62).

Lamba, M. and Bhatt, R. K. (2017). Marketing of Library Products and Services in Select Medical Libraries in Delhi in Digital Environment: A Comparative Study. In a 2nd international conference of Asian Libraries 2017: Jamia Millia Islamia, Delhi. 179-192

Leishichan Z. and Meera. (2017). Authorship Pattern and Collaborative Research in the Field of Political Science in India. In the proceedings of International Conference on Knowledge Organization in Academic Libraries. (I-KOL-2017), held at Goa University on 15-16 December 2017; 112-120

Siddiqui, S., Kumar, M., and Walia, P. K. (2017). Research paradigms in social sciences: A case study of Shodhganga. CALIBER 2017 Retrieved from caliber.inflibnet.ac.in

Singh, M. and Bhatt, R. K. (2017). Promotion of Library and Information Sources and Services: Sales Promotion. Proceeding of the International Conference on Knowledge Organisation in Academic Libraries (I-KOAL:2017) jointly organised by Library Professionals Association (LPA) & Goa University, Goa.

Singhal, N. and Meera (2017). Job satisfaction among LIS Professionals in Select Health Science Libraries in Delhi: a study. 11th International CALIBER 2017 on "Reenvisaging Role of Libraries, held at Anna University Chennai, 2-4 Aug 2017.

Conference/Seminar Organised:

The department organized a series of lectures during 2017-2018.

The first lecture was organized on 5th February 2018 in collaboration with Ranganathan Research Circle (RRC) on the topic 'Reading Habits of Users in Digital Age' delivered by Prof. CK Ramaiah, Dean, Performing Arts and Media, Pondicherry University, Puducherry and a rank holder alumnus of the University of Delhi.

The second lecture was delivered by Prof. Jaideep Sharma, University Librarian and Professor, Department of Library and Information Science, Indira Gandhi National Open University (IGNOU) and a rank holder alumnus of the Department on the topic 'Library Profession-Literature Based Approach' on 8th February 2018.

The third lecture was delivered by Ms. Kala Anjan Dutta, Ex Director, American Library and a rank holder alumnus of the Department on 'Librarianship as Career' on 15th February 2018.

The fourth lecture was delivered on the theme 'Emerging Trends in Libraries and Library Services' by Dr. Ravinder Kumar Sharma, Chief Librarian, United Nations Information Centre for India and Bhutan (UNIC) on 13th March 2018.

The fifth lecture was delivered by Prof. PB Mangla, Ex Head and Dean Faculty of Arts, University of Delhi and National Tagore Fellow on the topic 'Library and Information Science Paradigmatic Changes' on 4th April 2018.

Number of Ph. D./M. Phil. awarded:

Ph.D.: 04

M.Phil.: 18

Number of faculty Permanent/Temporary/Ad-hoc:

Permanent: 07

Other Significant Information

Conduct of One Month Internship Programme for the Blis Students

As a part of curricula of Bachelor of Library and Information Science (BLISc) i.e., B-111 - Internship Programme for one Month Internship, students were deputed under the supervision of faculty members in

the prominent libraries of Delhi namely Netaji Subhash Institute of Technology (NSIT), National Medical Library (NML), National Informatics Centre (NIC), Bureau of Indian Standards (BIS), Indian Institute of Public Administration (IIPA), Delhi Technological University, Institute of Nuclear Medicine and Allied Subjects (INMAS) and Delhi University Library System (DULS), University of Delhi w.e.f. 18th May 2018 to 17th June 2018. The students successfully completed their internship and their work was duly appreciated by respective librarians.

Education Tour

Local Education Tour was organised to visit the libraries of OP Jindal University and National Institute of Food Technology Entrepreneurship and Management (NIFTAM), Sonapat, Delhi NCR under the in-charge ship of Dr. KP Singh. Similarly, national education tour was also successfully organised under the in-charge ship of Dr. KP Singh and three associates namely Dr. Arun Kumar, Assistant Professor (Adhoc), Department of Library and Information Science, Mr. Vijay Kumar Gautam, Ph D Scholar and Librarian IP College, University of Delhi and Mr. Vishwanath Manjhi, Junior Assistant in the Department. The students visited the prominent libraries of Haryana, Chandigarh and Himachal Pradesh namely Department of Library and Information Science (DLIS), Central Library, Kurukshetra University, Kurukshetra and National Institute of Technology (NIT) Kurukshetra Library (Haryana), Indian Institute of Science Education and Research (IISER) Mohali, Department of Library and Information Science (DLIS) and AC Joshi Library of Punjab University, Chandigarh (Punjab) and Monesty Library Manali (HP).

LINGUISTICS

Major Activities and Achievements

The Department of Linguistics has continued to function as a UGC Centre for Advanced Studies, one among eight departments (in all) of the University of Delhi. During the period 01.04.2017 to 31.03.2018, it has not only been active in full-time PG teaching and research, it has also organised and hosted high-profile national and international conferences, workshops, and seminar lectures featuring cutting-edge research and analytical methods relating to Linguistics. The Department also continued international collaborations in research and in teaching, besides high-level academic interactions, with foreign universities such as the Norwegian University of Science & Technology, Oslo University, Norway, and the Hankuk and Busan Universities, South Korea. The Department also observed the UNESCO recognized International Mother Language Day on February 21, 2018.

Honours/Distinctions

Satyanath. S. Invited for a Talk at Linguistics Department, Cornell University, Ithaca. (Jointly hosted by Inequality cell, Cornell University, Ithaca and South Asia Studies, Syracuse University), March 28, 2018.

Satyanath. S. Invited as a Plenary speaker at Globalising Sociolinguistics (GloSoc2) “Communicating in the city”, Leiden University, The Netherlands (December 2018).

Bhattacharya, T. Sahapedia UNESCO Fellowship (Sept.-Dec., 2017)

Bagchi, T. International Affiliate Member, Forum for European Philosophy, UK and France, 2002-2007.

Bagchi, T. International Associate Member, American Philosophical Association, since 2001.

Bagchi, T. Member (Life), Dravidian Linguistics Association, since 2017.

Bagchi, T. Member (Life), Linguistic Society of India, since 2002.

Bagchi, T. Member of Editorial Board (for Semantics), MIT Open Access Handbook Series (2017-present).

Bagchi, T. Member, Advisory Board, Journal of South Asian Linguistics (JSAL).

Bagchi, T. Member, Centre international pour la Recherche interdisciplinaire en Psychiatrie (CIRIP), Denmark and France.

Bagchi, T. Member, Linguistic Society of America, since 2000.

Bhattacharya, T. Member, FOSSSIL (Formal Studies in Syntax and Semantics of Indian Languages).

Bhattacharya, T. Member, GLOW (Generative Linguistics of the Old World).

Bhattacharya, T. Member, Linguistics Society of India (Linguistics Society of India).

Bhattacharya, T. Guest Editor: *Language and Language Teaching*, July 2016, Vol. 10.

Journals

- Satyanath, S. Chief Editor, Asia-Pacific Language Variation. John Benjamins (2015-Present)
- Satyanath, S. Member, Editorial Advisory Board. *Journal of Pidgin and Creole languages*. John Benjamins (until 2014).
- Satyanath, S. Member, Editorial Board (January 2018-2021), *Journal of Sociolinguistics*, John Wiley & Sons Ltd.
- Satyanath, S. Member, Editorial Board, John Benjamins (Creole Library Series). 2006-present.
- Bhattacharya, T. Chief Editor, *LISSIM Working Papers*.
- Bhattacharya, T. Chief Editor: *Indian Linguistics*.
- Bhattacharya, T. Editor, *People's Linguistic Survey of India volume on Indian Sign Language*.
- Bhattacharya, T. Member, Editorial Board, *Language and Language Teaching* (APU/ VBERC) (since 2010).
- Bhattacharya, T. Member, Editorial Board, *Syntax* (published by Wiley-Blackwell) (since 2010).

Publications (15)

- Bagchi, T. (2017). Aspects of the syntax and semantics of quantifiers: The example of *onek* 'many' in Bangla. In Singh, S. K., Kashyap, A., War, B., Lyngdoh, S.A., and Khyriem, B. (Eds.), *Fabric of Indian Linguistics: A Festschrift in Honor of Prof. Udaya Narayana Singh*. (pp. 187-201). New Delhi: Lakshi Publishers.
- Bagchi, T. (2017). Issues in (co-) reference, syntactico-semantic typology, and discourse representation. In Singh, S.K., and Lyngdoh, S.A. (Eds.), *Syntactic Typology, Language Contact and Convergence*, (pp. 42-52). Guwahati: EBH Publishers.
- Bagchi, T. (2017). Scalarity and the quantifier *onek* 'many, a lot (of)' in Bangla, *Indian Linguistics*, 78(1-2), 153-158.
- Bagchi, T. (2017). Why ethical safeguards matter in medical nanotechnology: Prospects and problems in the delivery of nanomedicine via microsurgical interventions. *International Journal of Scientific Research*, [UGC Serial No. 49217, peer-reviewed], 6(12), 5-7.
- Bhattacharya, T. (2017). Adoption of universal design for learning for meaningful inclusion. In D. Sonpal, S. Prasad, and S. Vaishnav (Eds.), *Child and Disability*. New Delhi: Prabhat Publishing House.
- Bhattacharya, T. (2017). Being human, again, part 1. *neScholar*, 3(4), 20-30.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 3. *neScholar*, 3(1), 60-70.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 4. *neScholar*, 3, (2), 52-65.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 5. *neScholar*, 3(3), 54-64.
- Bhattacharya, T. (2017). The power of Alice: A personal tribute. *Indian Linguistics*, 78(1-2).
- Bhattacharya, T. (2018). Being human, again, Part 2. *neScholar*, 4(1), 44-53.
- Satyanath, S. (2017). Editorial. *Asia-Pacific Language Variation*, 3(1), 1-4. [This journal is peer reviewed and indexed in: CNKI ; Glottolog ; IBR/IBZ].
- Satyanath, S. (2017). Editorial. *Asia-Pacific Language Variation*, 3(2). [This journal is peer reviewed and indexed in: CNKI ; Glottolog ; IBR/IBZ].
- Satyanath, S. (2017). Mapping Linguistic diversity in colonial Bengal. In Ostler, N., and Mohanty. P. (Eds.), *Language colonization and Endangerment: Long-term effects, echoes and reactions. Proceedings of the 20th FEL Conference*, (pp. 27-32). England: Foundation for Endangered Languages.
- Satyanath, S. (2018). Kohima: Language variation and change in a small but diverse city in India. In Smakman, D. and Patrick (Eds.). *Urban Sociolinguistics: The city as a linguistic process and experience*. Heinrich (Ed.). *Globalizing Sociolinguistics*, (pp. 95-112). London and New York: Routledge.

Research Projects (03)

- UGC, Indo-Norway Cooperation Programme (INCP) entitled “A Microcomparative Study of ‘Doubling’ in Dialects of Meeteilon and Norwegian as a case of Syntactic Variation”, 2014-17 Dr. Tanmoy Bhattacharya, PI. Rs.65,81,491/-

UGC, Major Research Project entitled “*Linguistic Variations across six Dialects of Meiteilon*”, 2015-2018, Dr. Tanmoy Bhattacharya, PIRs.11,99,400/-

Kanda University of International Studies, Japan, 2018-2022. Research collaboration and cooperation with Kanda University of International Studies, Japan. The project seeks to develop modules in eight different varieties of English including Indian English Phase I [2015-2016]; Phase 2 [2018-2022]. Dr. Shobha Satyanath.

Seminars/Workshop Organised (02)

A series of four Workshops on Phonetics and R (October 23-27, 2017) by Professor Peter Keegan, Auckland University, New Zealand.

Seminar Lecture by Professor Anastasia Giannakidou on “*The Past, the Future and What is Real*” (January 31, 2018) co-organised by the University of Chicago Centre in Delhi and the Department of Linguistics, University of Delhi. (Podcast of the lecture is hosted on the University of Chicago USA website.)

Conference Organised (01)

45TH All India Conference of Dravidian Linguists & International Symposium on Case, Agreement and Postpositions (23-25 June 2017 at University Of Delhi) in collaboration with CIIL, Mysore, Dravidian Linguistics Association & International School of Dravidian Linguistics, Thiruvananthapuram.

Seminar/Conference Presentations (25)

Bagchi, T. (2017). On Aktionsart issues relating to dative-experiencer predicates in Indic. Paper presented in absentia at the 33rd South Asian Languages Analysis Roundtable (SALA 33) International Conference at Adam Mickiewicz University, Poznan, Poland, EU, May 15-17, 2017.

Bagchi, T. (2017). When genomics and personalized medicine meet ‘tiny’ theranostics: Policy concerns. Invited presentation made at the World Congress on Genetics, Genomics, and Personalised Medicine organised by the Department of Biotechnology, Govt. of India, and BioGenesis Inc., and hosted by the Indian Institute of Science-Bengaluru at the J. N.-Tata Auditorium, IISc-Bengaluru, November 15-17, 2017.

Bagchi, T. (2017). Why ethical safeguards matter in medical nanotechnology: Prospects and problems in the delivery of nanomedicine via microsurgical interventions. Invited presentation made at the 13th International Conference on Nanomedicine and Pharmaceutical Nanotechnology (NanoMed 2017), Aurelio, Rome, Italy, July 24-25, 2017.

Bagchi, T. (2018). *Mudrā* [dance gesture], *Abhinaya* [facial mime], and specific issues in pragmatics. Presentation made at the International Workshop on “Dance as Gesture” co-organised with the University of Chicago Project on Language, Gesture, and Dance, University of Chicago Center in Delhi, New Delhi, January 29-30, 2018.

Bhattacharya, T. (2017). “Agreement and Pronominalisation: Two Different Ways to Agree” invited Plenary speaker, SALA 33, Adam Mickiewicz University in Poznań, Poland, May 15-17, 2017.

Bhattacharya, T. (2017). “Argument Indexation in the North, East, and the Northeast: of People and Their Actions”, invited talk at the Linguistic Variation in the Languages of the Northeast of India Workshop at the International Christian University, Tokyo, Japan, December 11, 2017.

Bhattacharya, T. (2017). “Comparing “Double” Definiteness in DPs in Meiteilon and Halsa”, Presentation at Acquisition-Variation-Attrition (AcqVA) Lunch Seminar, NTNU, Trondheim, Norway, September 11, 2017.

Bhattacharya, T. (2017). “On some methods in Formal Linguistics”, 2 invited lectures delivered at the Dept. of Linguistics, Manipur University, Imphal, June 12-13, 2017.

Bhattacharya, T. (2017). “Peopling of the Northeast of India: Stories of Migration and Contact”, invited talk at Centre for the Environment and Institutional Biotech Hub, IIT, Guwhati, Assam, July 4, 2017.

Bhattacharya, T. (2017). “Pronominalisation in South Asian Languages: of People and their Actions”, Keynote address at the 38th Annual Conference of Linguistic Society of Nepal, Tribhuvan University, Kathmandu, Nepal, November 26, 2017.

Bhattacharya, T. (2017). “Psych Predicates in Santali: The Mystery of the “wrong” clitic”, paper presented at the 38th Annual Conference of Linguistic Society of Nepal, Tribhuvan University, Kathmandu, Nepal, November 27, 2017.

Bhattacharya, T. (2017). “The Consequence of Code-Mixing the Adjective in NPs in Meiteilon English”, Talk delivered in HLS 23 at Tezpur University, Assam, July 5, 2017.

Bhattacharya, T. (2017). "Meiteilon DPs and Comparative Syntax" SALA 33, Adam Mickiewicz University in Poznań, Poland, May 15-17, 2017.

Bhattacharya, T. (2017). "Syntactic Consequences of Mixing the Adjective in Meiteilon DPs" *Indo-Norwegian Syntax Workshop 2*, NTNU, Trondheim, Norway, September 11, 2017.

Bhattacharya, T. (2017). "Agree Cycles and Munda Clitics", Guest Lecture, NTNU, Trondheim, Norway.

Bhattacharya, T. (2018). "A short introduction on the role of variation in Grammar", Introduction to the Workshop on Grammatical Variation and Analysis at CEL, Sikkim University, Gangtok, March 5, 2018.

Bhattacharya, T. (2018). "Hindi Participial Agreement", paper presented at the 13th ICOSAL, CIIL, Mysore, January 8, 2018.

Bhattacharya, T. (2018). "Looks can be deceptive: Doubling and repetition in Meiteilon" paper presented at Pattern of Repetition in Language use workshop, University of Leipzig, Leipzig, Germany, January 16, 2018.

Bhattacharya, T. (2018). "The 'Eastern' Origin of Diversity in India: Linguistic, Genetic, and Archaeological Evidence", invited talk at Biodiverse, 2018, IIT Guwahati, Assam, January 27, 2018.

Bhattacharya, T. (2018). "The syntax of argument indexation in the languages of India: A case of Macro- or Microvariation?" Invited paper presented on the Workshop on Grammatical Variation and Analysis at CEL, Sikkim University, Gangtok, March 6, 2018.

Coelho, G. (2017). "Betta Kurumba nominalizers", 45th All India Conference of Dravidian Linguists, University of Delhi, Delhi, 23-25 June.

Coelho, G. (2018). "Issues in orthography design in a multilingual environment", National Seminar on Multilingualism in India: Issues and Challenges, Department of Linguistics, University of Mumbai, Mumbai, 6-7 March.

Coelho, G. (2018). "Betta Kurumba religious rituals and language maintenance", 6th International Conference on Endangered and Lesser Known Languages (ELKL6), Central Institute of Indian Languages, Mysore, 21-23 February.

Satyanath, S. (2018). Coexisting in a multilingual urban landscape: A case study of Delhi. AAS-2018, Panel on Language choice and identity in South and Southeast Asia. Washington D.C. (March 22-25, 2018).

Satyanath, S. (2018). Dialect contact and multiple grammars. NWAVAP 5, The University of Queensland, Brisbane, Australia (February 1-3, 2018).

Satyanath, S. (2018). Indian perspectives on bilingualism. Linguistics Department, Cornell University (jointly hosted by Inequality cell, Cornell University, Ithaca and South Asia Studies, Syracuse University), March 28, 2018.

Other Inter-Institutional Collaboration

Hankuk University of Foreign Studies, South Korea.

Busan University of Foreign Studies, Busan, South Korea.

University of Hamburg, Germany.

Kanda University of International studies, Japan

Number of M.Phil./Ph.D. Degrees Awarded (Period 01.04.2017 to 31.03.2018)

Ph.D.: 03

M.Phil.: 09

Faculty Strength

Professor: 01 + 01 (vacant)

Associate Professor: 03 + 04 (vacant)

Assistant Professor: 01 + 04 (vacant)

MODERN INDIAN LANGUAGES AND LITERARY STUDIES

Major Activities and Achievements

The department conducted several special lectures and workshops during 2017. Some the significant lectures are: 1. *Roots and Seeds of Eco-Feminist Musings in Sangam Literature* delivered by Dr. Vanathu Antoni, (Former ICSSR Fellow), New Delhi was conducted on 24 October, 2017; 2. *Czechoslovakia and Rabindranath* delivered by Dr. Martin Hribek, Charles University, Czech Republic, conducted on 22 November, 2017; 3. *Czech Orientation and India: Translation, Images and Entanglements* delivered by Dr. Martin Hribek, Charles University, Czech Republic, was conducted on 22 November, 2017. In addition a special lecture entitled *Comparative Literature Today* delivered by Prof. Jayanti Chattopadhyay, Former Head of the Department, University of Delhi was conducted on 08 March, 2018.

Further, the department reintroduced the Weekly Seminar Programme in this academic year (on Wednesdays faculty members present papers on the topic of their interest area) and the Department Research Forum (exclusively for Ph.D. and M.Phil. Research Fellows to present papers on their areas of research once a month).

Publications (02)

Narayanappa, V. (2017). *Vishwavidyaalaya Prasaaraangam* [Kannada Translation of K.V. Puttappa, Mysore, 1959] Delhi: Sri Vinayaka Pracuranalu.

Rajagopal, G. (2017). Demonstration and deviation: Outlines of Akattinai in Thirukkural. In G. John Samuel, G. (Ed.), *the Souvenir of International Conference on Thirukkural*, Nagarkovil, (pp. 74-88). Tamil Nadu: Institute of Asian Studies.

Seminars Organised (01)

One Day National Seminar *Sindhi and Other Indian Languages: Literary Interactions*, sponsored by the NCPSSL, MHRD, New Delhi, January, 13, 2018.

Seminar/Conference Presentations (05)

Pattanaik, P.C. (2018). Delivered the lecture, *Mahabharata Tradition: Transmission in the Indigenous World, Plenary Lecture*, International Seminar, *Sarala Mahabharata*, Ravenshaw University, Odisha, March, 9-10, 2018.

Pattanaik, P.C. (2018). Delivered a Special Lecture, *Linguistic Diversity and Multilingualism in India: A Need for Mother Tongue Education*, Dept. of MIL & LS, University Delhi, *International Mother Language Day*, organised by the NCPSSL, MHRD, New Delhi, 21 February, 2018.

Rajagopal, G. (2017). *Demonstration and Deviation: Outlines of Akattinai in Thirukkural*, in “The International Conference on Thirukkural”, jointly organised by the Institute of Asian Studies, Chennai and the International Association of Tamil Diaspora (INTAD), Mauritius, Nagarkovil, Tamil Nadu, 17-19 May, 2017.

Rajagopal, G. (2018). *Rise of Bhakti Movements in Dravidian Land: Faiths and Philosophies*, in a Two Day National Seminar, “The Context of Chaitanya-Vaishnavism: Bhakti in Bharata”, organised by the Department of Comparative Indian Language and Literature, University of Calcutta, Kolkata, February, 15-16, 2018.

Rajagopal, G. (2018). *Social Equality in the Buddhist Tamil Epic Manimekalai*, in “Lord Buddha and His Message of Equality in Indian Literature”, organised by the Gandhi Bhawan, University of Delhi, Delhi, April, 30, 2018.

Ph.D./ M.Phil. Awarded

Ph.D.- 7

M.Phil. – 10

Faculty Strength

Permanent- 11

Ad-hoc - 4

PERSIAN

Major Activities and Achievements

Department offers Certificate Course, Diploma Course, Advance Diploma Course, M.A., One Year Post M.A. Diploma in Translation & Interpretation, M. Phil and Ph.D. program in Persian. The Department is supported by UGC-DSA SAP-II grant. Few faculty members are associated with professional societies and grant agencies. One of the faculty members has been on Advisory committee of Special Assistance Programme of UGC of different universities; and expert on several committees of UGC, and ICCR. Apart from regular teaching and research, the Department organizes weekly seminars, yearly workshop and seminars. During 2017-18, the department organised International conference/Seminar.

Publications (08)

Jahan, M. (2017). *Kitab e Farsi* [for Ad-Diploma], New Delhi: M. R. Publications.

Jahan, M. (2017). *Panch Tantra: Ek Jaiza, Aiwan E Urdu*. Delhi: Urdu Academy.

Jahan, M. (2017). *Umar Khayyam Ki Rubayun Ke Mukhtalif Rang Paishraft*, New Delhi.

Jahan, M. (2018). Ghalib ki ek Urdu Ghazal Farsi Adab ke Tanazur me. *Qaumi Tanzeem*. [Daily News Paper, Patna, Bihar].

Khan, A. A. (2017) *Amir Hasan NooraniaurMunshiNawal Kishore*, 25-36, Naval Kishor Shinasi, edited by Prof. Syed Shafiq Ahmed Ashrafi, Khwaja Moinuddin Chishti Urdu Farsi Arabic University, Lucknow.

Khan, A. A. (2017) *Moarraf-e-Aasar-e-manzoomMirza Abdul Qadir Bedildar Kitabkhanah-e-Salar Jung Hyderabad*. Tehran, Iran: Urse Bedil Dehlavi. 256p.

Khan, A. A. (2017) *Shahjahani Dastar khanke Zaiqe*. Kakori, Lucknow: Dabeer. 9-15.

Shekhar, C. (2017) *Waqai' Asad Beg Qazvini*, Annotated edited text and Introduction. New Delhi: Kitab Ghar.

Research projects (01)

University Grants Commission DRS SAP-II (*Indo-Persian Literature*), 2014-2019 (5 years). Rs. 44,00,000/-

Conferences Organised (01)

Hazrat Amir Khusrau Dehlavi Lecture Series held on “*Nikat-e-Bedilke do Urdu Rarjuman Ka Taqabuli Mutalea*” supported by NCPUL. 23rd May, 2017.

Conference/Seminar Presentations (12)

Jahan, M (2017). *hind as deedgah e farasat nameh*, 2 day national seminar on the “contribution of women in the promotion of persian language, literature, science arts & culture in the Indian subcontinent” organised by dept. of Persian at Maulana Azad national Urdu university, Gachibowli, Hyderabad. 6-7 November, 2017.

Jahan, M (2017). *muraqqa e dehli safarnameh gardah quli khan ki roshni me*, 2day international seminar on Persian literature during the later Mughal (1707-1857) organised by Persian foundation of India & Ghalib Institute New Delhi. 19-20 SEPT.2017

Jahan, M (2018). *Amir Khusraw: turknazad muhibb e hind*, 2day national seminar on ‘the contribution of Madarsas in promotion of Persian language & literature’ organised by dept. of Persian at Maulana Azad national Urdu university, Gachibowli, Hyderabad. 14-15 March, 2018.

Jahan, M (2018). *Bhopal ki char ba kamal begamat*, 2 day national seminar on Amir Khusraw and his contribution to Persian & Indian culture ,organised by Dept.of Persian ,university of Mumbai. 27-28 February, 2018.

Khan, A. A. (2017). *Bu Ali Sina's Manuscripts in Indian collections*, Paper Presented in International Seminar organised by I.H.F. New Delhi on “TibbiMakhtutaatMasayilwaWasayil” 4-5 March 2017.

Khan, A. A. (2017). *Kulliyat-e-Saadikedusremusehe (Editor) BahauddinKhurramShahi*, Paper Presented in International Seminar organised by M.A.A.P.R.I. Tonk, Rajasthan 7th -9th March 2017

Khan, A. A. (2017). *Mirza Abdul QadirBedilDehlavi*. International Seminar organised by Institute of Persian Research, A.M.U., Aligarh on “BedilDehlavi” 1-3rd March 2017

Khan, A. A. (2017). Presented a special lecture in The Dept. of Arabic and Persian, University of Allahabad, on “*Sufistic Culture in India*” on 09th May, 2017.

Khan, A. A. (2017). *Prof. Nazir Ahmad ka Maarif me shayaek Tehqiqi Maqala*: Ahmed Zandechi, Paper presented in the International Seminar “MaarifSadi” MaarifAzamgarh, U.P. March 2017.

Khan, A. A. (2017). *Ustad Azhar Ali wa Safar Nama-e-Anand Ram Mukhlis*, Paper Presented in International Seminar organised by Bedil International Foundation “Bedil International seminar” 28 -31st March 2017

Shekhar, C. (2017). *Drafting of official letters/missives/edicts/commands in Medieval and early Modern India*, Special lecture delivered in the Institute of Oriental & Islamic Studies, Bonn University, Bonn, 17th June, 2017.

Shekhar, C. (2017). *Nusrutullah Khan's Treatise on Swords in Arms and Armors: The Rathores & Their Armoury At Jodhpur Fort*, English translation of of Persian work, entitled “*Taiid-e-Bisarat*, :Appendix I, Ed. Robert Elgood, Niyogi Publications, New Delhi, 2017 (Vol.II), Pp. 892-907.

Inter-Institutional Collaboration

Prof. Chander Shekhar, University of Bonn, Germany

Number of Faculty

Permanent Faculty:	05
Ad-hoc faculty:	02
Guest faculty:	03
Research Associate:	01 + 01 (vacant)

PHILOSOPHY

Major Activities and Achievements

The Department of Philosophy has always aimed to create a platform for international and national scholars to present their views and research. This year was no different: many scholars of stature were invited and this led to some very fruitful and interactive discussions, exposure to which was valuable to both faculty and students. The Department successfully offered four interdisciplinary courses for students of other disciplines. The different committees that were constituted did their work diligently and addressed many academic and administrative matters effectively. Faculty members robustly participated in seminars and conferences and some were invited to present keynote, invited special and public lectures.

Honours/Distinctions

Prof. Balaganapathi Devarakonda

- Sectional President of Philosophy of Religion in 92nd session of Indian Philosophical Congress held at Holistic Science and Research Centre, Surat on 5th to 7th of January 2017.
- Chief Advisor, Centre for Ethics and Values, Ramanujan College, Delhi from 2017 to 2020.
- General Secretary, *Asian Philosophy Conference* organised at Sanchi University of Indic Studies on 11-14 of February 2017 & at Holistic Science and Research Centre, Surat on 3-4th of January 2017.

Publications (13)

Devarakonda, B. (2018). Impact of Disruptive Technology on Higher Education. *University News*, 56(12), 19-25.

Gautam, A. (2017). Self-governance and responsibility in global times. *International Journal of Research in Management and Social Sciences*, 5(3), 30-35.

Gupta, A. K. (2018). Ranade and Bhagvadgita: An examination of his theory of Beatificism. *International Journal of Research in Management and Social Sciences*.

Gupta A. K. (2018). Revisiting secularism, nationalism and intolerance: Interpreting through Advaita and Dharma. In Singh, S. (Ed) *Politics for new India: A Nationalistic Perspective*. : Delhi: Rupa Publication.

Gupta A. K. and Saraf, K. (2018). Hedonism and Indian Philosophy of Peace. *Idea*

- Gupta A.K., and Tiwari, D., (2017) *Language and Religions*. Delhi: Bharteey Gyanpeeth.
- Jaiswal, R. (Nov. 2017). Freedom of expression: A study of media. In Basak, M. K. & Ray, M.S. (Ed), *An anthology of ethics*. Kolkata: Ekush Shatak.
- Jaiswal, R. and Rai, P. (2017). Is ethics possible in journalism? *Journal of arts, culture, philosophy, religion, language and literature*. 1(3).
- Kumar, K. P. (2018). *BAB104 State, Democracy and Nation Building*, IGNOU Certificate programme on life and thought of Dr. B. R. Ambedkar, pp. 70-81
- Kumar, K. P. (2018). *The Gentle Warrior: In Memory of Bojja Tarakam*. Hyderabad: Hyderabad Book Trust.
- Mitra, E. (2017). Space and Consciousness: Reconstructing Dualism and Behaviourism. In Maity, S. (Eds) *Self, Consciousness and Body*, (pp. 26-51) Kolkata: Nectar.
- Mitra, E. (2017). *Later Wittgenstein on Language and Mathematics: A Non-Foundational Narration*. Indian Institute of Advanced Study, Rashtrapati Nivas.
- Mitra, E. (2018). 'Nari' O 'Bad': Kichu Chena-Ochena Prostab'. *Alochona Chakra*, 32(1), 120-339.

Journals

Number of Department Teachers serving as editors / members of editorial boards-01

Prof. Balaganapathi D.

- Editor-in-Chief, *International Journal of Applied Ethics* an annual peer reviewed multidisciplinary journal published by Ramanujan College, Delhi, India since 2017 onwards.
- Member of Editorial Board, *Journal of Indian council of Philosophical Research*, Springer from 2017 onwards.
- Guest Editor, Special Issue on *Intersections of Poetry and Philosophy* of Interdisciplinary Journal of Literature and Language (IJLL) a refereed, bi-annual print journal devoted to World literature and Culture in English published by Authorspress, New Delhi, India Vol. 4. Number 1. July-December 2017.

Research Projects (03)

University Grants Commission, New Delhi, A Study of Doctrinal differences of the Early Buddhist Sects of Andhra a Major Research Project. 2015-2018, Prof. Balaganapathi D, Rs. 13.5 lacs.

ICSSR, New Delhi, Culture through the Labyrinth of Globalization: A Study of Popular Imaginations and Alternative narratives of Digital and non-Digital Telugu literature as a part of the Major Funding Project titled Interface of Culture and Politics in India: An exploration into the alternative narratives, 2017-2019, Prof. Balaganapathi D, Rs. 45 lacs.

I.C.P.R. Project 'Advaita, Dharma and National Political Discourse', May 2017 onwards, Dr. Aditya Kumar Gupta, Rs.2.5Lacs,

Seminar/Talks Organised

ICPR Lecture of Prof. Ravi Gomatam, Director, Institute of Semantic Information Sciences and Technology, Mumbai on "Western Empiricism and Vedic Empiricism" on 11th May 2017. Organised by Prof. Balaganapathi D.

ICPR lecture of Prof. Lui Zhen, National Institute for Advanced Humanistic Studies, Director, Gandhi Centre on "The Maitreyavyakarana (in Śāṭaka form) as Evidence for Cultural Exchange between China and India" on 7th November 2017. Organised by Prof. Balaganapathi D.

ICPR lecture of Prof. Hiroshi Marui, Professor, Department of Indian Philosophy and Buddhist Studies, Graduate School of Humanities and Sociology The University of Tokyo on "Did Bhaṭṭa Jayanta know the Six Systems of Indian Philosophy?" 28th November 2017 Organised by Prof. Balaganapathi D.

Seminar/Conference Presentations

Balaganapathi D. (2017) Culture through the Labyrinth of Globalisation: A Study of Popular Imaginations and Alternative narratives of Digital and non-Digital Telugu literature in a workshop on Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Alternative Sites of Knowledge Construction organised by Department of Political Science, University of Delhi supported by ICSSR, New Delhi during 12-14 July, 2017.

Balaganapathi D. (2017) *Dynamics of Hinduism in Thailand* in an International Conference Commemorating 70 years of Independence: Indian in Asia organised by Seoul National University on 8th & 9th of December, 2017.

Balaganapathi D. (2017) *Religious Violence and Globalisation* in an India and Iran interface: A Civilizational Dialogue organised by ICPR, New Delhi during 25 & 26 October 2017.

Balaganapathi D. (2017) *Teaching Indian Philosophy in India: Limitations and Alternatives* in a ICPR Workshop on “Teaching Philosophy in the Indian Universities and Colleges” from 13 July to 17th July 2017 at ICPR, Academic Centre, Lucknow.

Balaganapathi D. (2017) *The Role of Guru as an Interpreter of Dharma* in Global Spiritual Conclave on the theme “Dharma- Ideal and Praxis in the emerging Global Scenario” on 24th to 27th August, 2017 in Santhigiri Ashram, Thiruvananthapuram, Kerala.

Balaganapathi D. (2018) *Concept of Peace: A Perspective from Samkhya* in 3rd Annual International conference on Peace and Reconciliation: Perspectives from Religion and Philosophy organised by Vishnumohan Foundation, Chennai during January 27-29, 2018.

Balaganapathi D. (2018) *Identity and Continuity* in an ICPR seminar on “Indian Identity and Cultural Continuity” held at Holistic Science Research Centre, Surat during 5th January 2018.

Balaganapathi D. (2018) *Immersive Cosmopolitanism of K C Bhattacharya* joint paper with Ms Charu Tapilyal in a National Seminar on Beyond Identity: Reflections from South Asian Imaginaries of Nation and Universe organised by Department of Political Science, University of Delhi, Delhi during 13th & 14th March 2018.

Balaganapathi D. (2018) *Religious Violence and Divergent Identities* in the 92nd session of Indian Philosophy Congress held at Holistic Science Research Centre, Surat during 5th – 7th January 2018.

Balaganapathi D. (2018) *Universal Ethics in the Modern Education System: Technology, Rationality and Emotion* in the 2nd Conclave on Universal Ethics: Perspective of Emotional Intelligence in Education Organised by Tibet House and Ramanujan College on 14th-15th April 2018.

Balaganapathi D. (2018) *Historiography of Modern Indian Philosophy* in a National Seminar on Indian Perspectives on Philosophy of History organised by Banasthali Vidyapeeth, Rajasthan during 22nd and 23rd March 2018.

Gautam, A. (2018). *An enquiry into the contextualist approach to virtue epistemology*” in a two-day national seminar on Contextualism in Contemporary Epistemology organised by ICPR Academic Centre Lucknow on 27th March 2018

Gupta, A. K. (2017) *Revisiting Political Culture of India: An Approach of Dharma*, At Global Spiritual Conclave, Shantigiri, Trivendrum, Kerala, Aug. 2017

Gupta, A.K. (2017) *‘Philosophy of Indian Constitutional’*, delivered a speech as the chief guest on August 15, 2017, Independence Day, S-VYASA Bengaluru

Gupta, A.K. (2017) *‘Philosophy in School Syllabi and Indian Context’*, at National Workshop, ICPR, Lucknow, July, 2017

Gupta, A.K. (2017) *‘The philosophy of Meditation: With special reference to Taittiriya Upanishad and Mandukya Upanishad’*, paper presented at A National Seminar On ‘Holistic Yoga: H3 (Health, Happiness, Harmony)’ at Daulat Ram College, DU, On Nov. 11, 2017

Gupta, A.K. (2017) *Advaitic (Non-Dualistic) Trends in Korea’s Neo-Confucian Tradition: An Examination of Yi Yulgok’s Philosophy* at International Seminar on ‘Cultural Encounters and confluences between India and Korea’, New Delhi, June, 2017

Gupta, A.K. (2017) Invited Lecture on ‘Vision 2020: India of Dr. Kalam’s Dream’ at Jubilee Hall, University of Delhi, July 2017

Gupta, A.K. (2018) Invited Lecture on ‘Philosophy of Peace’ at International Conference on peace and reconciliation, Organised by Sri Vishnu Mohan Foundation, Chennai, Jan. 28, 2018

Gupta, A.K. (2018) Invited Lecture on ‘Indian Identity and Cultural Continuity’ at 92nd session of IPC, Surat, Gujarat, on Jan. 05, 2018

Gupta, A.K. (2018). Invited Lecture On ‘Modern Presence of A cultural Heritage: A Study of Sankara’s Advaita’ at J.N.U., Delhi on 21st April, 2018

- Gupta, A.K. (2018) Invited Lecture on 'Non-dual relation between Hinduism and Buddhism' at Institute of Tibetan studies, Leh Laddakh, May 20, 2018
- Gupta, A.K. (2018) Invited Panel Discussion on 'Integral Humanism of Pt. Deen Dayal Upadhyay' at 92nd session of IPC, Surat, Gujarat, on Jan. 03, 2018
- Jaiswal, R. (2018) *The concept of power: Tagore and Foucault*, In *Asian Philosophy Conference*. (3rd - 4th Jan. 2018)
- Jaiswal, R. (2018) *The problem of religious intolerance and the Gandhian solution*, In the International Seminar on Sustainable development, Gandhian legacy and 21st Century challenges. Sponsored by ICSSR. (09-10 March 2018).
- Jaiswal, R. (2018) *Individualism vs collectivism: A debate between liberalism and communitarianism*, In *Indian Philosophical Congress*. (5th - 7th Jan. 2018).
- Kalotra, G. (2017). "*Thinking Indian Philosophy as a Social Worker: An Investigation into Vinoba's Self*", organised by CPDHE (UGC-HRDC) University of Delhi, Delhi from 28th November 2017 to 19th December 2017.
- Kumar, P. K. (2017). *Caste, Religion and Nation: Ambedkar's Ethico-Rationalistic Critique of Hindu Religious Nationalism* in Reclaiming Social Justice, Revisiting Ambedkar International Conference On the occasion of 126th Birth Anniversary of Dr. B. R. Ambedkar Organised by Government of Karnataka, India 21 – 23 July, 2017
- Kumar, P. K. (2017). *The idea of a University: Debating autonomy and culture of dissent* in the two day National Seminar on "Dr. B. R. Ambedkar's Vision and Works on Education – Relevance to Our times" organised by Telangana State Council of Higher Education (TSCHE), Hyderabad on 14-15 July 2017
- Kumar, P. K. (2017). *Satyagraha as Pragmatic Political Strategy: Reflections on Contemporary Social Movements*, One Day National Seminar On Debating Satyagraha: Hundred Years of Champaran Satyagraha Organised by Centre for Studies and Research in Gandhian Thought and Peace, Central University of Gujarat on April 20, 2017
- Kumar, P. K. (2018). *Socio-Political context & Ambedkar's Method and Interrogation of Indian Philosophy* in National workshop on Philosophical thought of Dr. B. R. Ambedkar Organised by Department of Philosophy, Zakir Husain College (Evening), University of Delhi, Delhi on 22-23 March, 2018
- Kumar, P. K. (2018). *Ambedkar's conception of Social Justice* in Seminar on B. R. Ambedkar and Social Justice organised by Department of Political Science, Shradhananda College, University of Delhi, Delhi on April 16, 2018.
- Kumar, P. K. (2018) *Nature and Ecological consciousness in Indian Philosophy* in Second International conference on Global climate change and Ecosystem Management, Culture, Tradition and Nature, organised by Academy of Value based Management of ISOL Foundation in collaboration with University of Toronto on March 10, 2018
- Kumar, P.K. (2017). Lecture on issues in Theorizing Dalit movement at Centre for the study of discrimination and exclusion, JNU, Delhi on 11th April 2017
- Kumar, P.K. (2018) Special lecture on *Politics of Performance and the Phenomenon of Gaddar*, organised by School of Arts and Aesthetics, JNU, Delhi, on April 20, 2018.
- Mitra, E.R. (2017). Delivered a lecture as an invited speaker on '*Ethical Language: With Special Reference to Wittgenstein*' in Dept of Philosophy, University of Kerala, Thiruvananthapuram on 13.12.17
- Mitra, E.R. (2017). Delivered a lecture as an invited speaker on '*Philosophy of Action: A Wittgenstein/Davidson Controversy*' in Dept of Philosophy, University of Kerala, Thiruvananthapuram on 12.12.17
- Motilal, S. (2017). Lecture on "*Human Rights and Human Dignity*", in the Department of Philosophy, Lady Shri Ram College, Delhi University, 9th November, 2017
- Motilal, S. (2017). Participant in Workshop on "Perception and Probability" organised by department of Philosophy, University of California, Berkeley, CA, USA on 11th March, 2017
- Motilal, S. (2017). "*The Nature of Moral Agency: Some Reflections*" Invited Speaker for National Conference on "Agency and Values: Challenges for the 21st Century" organised by Department of Philosophy, Presidency University to mark the Bicentennial celebration of the University (April, 24 -25th, 2017)

Motilal, S. (2017). “*Human Moral Obligations: Bridging Religious and Cultural Differences*” in International Workshop on “Emphasis on Ethics: Bridging Traditions & Disciplines” organised by the Department of Philosophy, University of North Carolina, Asheville, NC, USA,, on March 3rd, 2017

Motilal, S. (2017). “*Nature of Social Justice: Some Inputs from the Ancient Indian Context*” in the National Seminar on Social Philosophy in Indian Contexts: Past and Future organised by Department of Philosophy, Savitri Bai Phule Pune University on 24th and 25th February, 2017.

Sahni, P. (2018). Invited Lecture on 13 March, 2018 at Janki Devi Memorial College entitled “*Environment, Morality and Values*”

Sahni, P. (2017). Invited Lecture on 2 November 2017 at Lady Shri Ram College entitled “*Environmental Ethics and Ecology*”

Extension and Outreach Activities

Dr. Reetu Jaiswal organised a ICPR sponsored Special Lecture Prog. on “Two Steps Back, One Step Forward? Equality and Women in the last 100 Years” on 16th March, 2018 in Department of Philosophy, University of Delhi.

Organised an Event on “Gender Equality” in Department of Philosophy, University of Delhi on 6th Nov. 2017.

Number of M.Phil/Ph.D. Degrees Awarded

Ph.D.:5

M.Phil. :10

Faculty Strength

Professors :05 + 03 (vacant)

Associate Professors: 02 + 13 (vacant)

Assistant Professors: 10 + 01 (vacant)

PSYCHOLOGY

Major Activities and Achievements

The Department of Psychology offers M.A. in Psychology, M.A. in Applied Psychology and Ph.D. in Psychology. The Department has two units – Psychology Unit in North Campus and Applied Psychology Unit in South Campus. The total number of students from both the North and South Campus in M.A. Programme are 151, and in Ph. D. Programme are 13. A total of 5 students have been awarded with a Ph. D. degree this year. The Department also offers papers of Interdisciplinary nature for the students of other departments such as Department of Buddhist Studies, Philosophy, Sociology, English, Sanskrit, Arabic and Linguistics, from the Faculty of Arts, University of Delhi. The research activities of the department focus around areas of Community Development, Ageing, Multivariate Techniques, Counseling Services and Skills, Advances in Neuroimaging Research, Buddhism and Psychology, Understanding Self from Indian Psychological Perspective, Art Therapy and Music Therapy. The Department is supported by grants from UGC-SAP/CAS, ICSSR, DST-FIST, DRDO, AICTE, LSRB, R & D, DU. The department received the DSA I under U.G.C in the year 2015 and activities under it are in progress.

Publications (19)

Alexander, A. J., Arnett, J. J. & Jena, S. P. K. (2017). Experiences of Burmese Chin refugee women: Trauma and survival from pre- to post flight. *International Perspectives in Psychology: Research, Practice, Consultation*, 6(2), 101-114.

Bharadwaj, S. & Gupta, V. (2017). Inter-relationship among job satisfaction, personal effectiveness and locus of control. *Indian Journal of Health and Well-being*, 6(2), 1380-1385.

Feldman, R & Babu, N. (2017). *Development across Lifespan*. New Delhi: Pearson.

Kaushal aur Kushalata ki Avadharana. (2017). *Srijan Chintan*, 10(21), 29-34.

Kumar, A. (2017). *Advanced Social Psychology*, India: The Readers Paradise.

- Kumar, A. (2018). *Recruitment Selection Training*, India: The Readers Paradise.
- Kumar, P. & Gupta, V. (2017). Workplace Stress Well Being and Quality of Work Life A study on BPO employees. *Journal of Entrepreneurship and Management*, 6(2), 20-28.
- Kumar, S., Lochan, A. (2017). Peace and Peace Pedagogy: Contextualizing Peace Education Curriculum through Gandhian Perspective. *IJEM*, 7(2), 197-201.
- Lochan, A. (2017). Locating gender through norms, theories and social representations. *Voice of Intellectual Man-An International Journal*, 7(1), 89-116.
- Lochan, A. (2017). *Self-ad aesthetics in creative journey: A Psychological inquiry*. New Delhi: Pragun Publication.
- Lochan, A. and Radhakrishnan, S. (2017). What is that song about? A psychological study of contemporary Hindi music. *Indian Journal of Positive Psychology*, 8(2), 214-220.
- Mahakud, G. and Kumar, A. (2017). Well-being of government and private teachers: A comparative Study. *Indian Journal of Psychological Science*, 8(1).
- Mahakud, G., Kumar, A. and Nayak, T. (2017). Personality type, spirituality and its relationship with job satisfaction among male and female government sector employees. *Journal of IMS Group*, 14(2), 18-28.
- Prakash, N. (2018). Big Data: The deciding element in Mobile Advertising Efficacy. *The European Business Review*, July-August 2018.
- Radhakrishnan, S., Lochan, A. (2017). Cultural intelligence: concepts and organizational implications. *International Journal of Education and Management*, 7(2), 191-196.
- Seth. S. and Kumar, A. (2018). Gender and leadership: A review. *International Journal of Social Sciences*, 6(4), 716-720.
- Thangbiakching, and Soreng, E. (2017). Grace of God: A Phenomenological Inquiry. *The International Journal of Indian Psychology*. 4(4), 142-153.
- Varma S. (2017). Non-violent ways of relating: Love, healing, and beyond. In W. Shukla [Ed.], *Annals of Hindi Studies*. New Delhi: JBS Publications India.
- Yadav, I., & Kumar, A. (2018). Balancing work and parenting demands through spiritual practices. *The Research Journal of Social Sciences*, 9(5), 73-80. Doi: 10.105373/00251348.

Research Projects (03)

University Grants Commission DRS I (SAP) from 2014-2019 (5 years), Rs 44 lakhs

Rajiv Gandhi National Institute of Youth Development (RGNIYD, Ministry of Youth Affairs and Sports, Government of India) “*Community based intervention for Positive Youth Development*”, Prof. Nandita Babu, Rs. 4.8 lac, 2016-2018.

Rajiv Gandhi National Institute of Youth Development (RGNIYD, Ministry of Youth Affairs and Sports, Government of India) Developing Resilience and Entrepreneurship Skills in Underprivileged Youth Below Poverty Line (PPL): A Randomized Controlled Trial, S.P.K.Jena Rs.4.6 lac, 2016-17.

Conference Organised (01)

Dr. Suneet Varma, Organizer, International conference on “The Indian Culture and Psychology: A Consciousness Perspective” 22-27 March 2018.

Placement Details

The Department has its own Placement Cell. It has been created for placements of students pursuing both M.A. Psychology and M.A. Applied Psychology, from the University of Delhi. The Placement Cell provides a platform for the students to meet and interact with counselling, clinical, corporate organizations, and business houses. Besides this, information of the activities by Central Placement Cell of University of Delhi is also widely circulated in the departments for creating maximum employment opportunities for the students.

Extension and Outreach Activities

Extension and Outreach activities are carried out as an intrinsic part of the practicum where students conduct survey, psychological assessment and intervention in the community. The department has a counseling center where the counseling services are provided to people across different age groups with

varied cognitive and psychological-social issues. The developmental resource center of the department provides services such as parenting training, training for cognitive enhancement, play therapy, etc.

Number of Ph. D Degree Awarded: 05

Number of Faculty (North and South Campus):

Permanent – 10

Ad-hoc – 04

Other Significant Information

The Department has its own Library cum Reading Hall and Psychological Testing rooms. Books, Test Materials, Technological equipments, and Teaching-learning aids, are regularly purchased from time to time to upgrade the Laboratories and Classrooms into Hi-tech Smart Classrooms. The department has a Neuro-Cognitive Lab equipped with Biofeedback and other computer softwares.

The Department organizes special lectures and workshops for students on a regular basis.

PUNJABI

Major Activities and Achievements

The Department of Punjabi is conducting courses for the students of M.A., M.Phil., Ph.D., Certificate and Diploma programmes. The department has organised successful literary events ---- national seminars, memorial lectures, meet the author and special lectures etc. during the academic session 2017-2018. While staying committed to research-oriented studies, our faculty members actively participated in seminars/conferences/lectures/refresher courses organised by other academic & literary institutions.

With a remarkable legacy of being the nerve centre for Delhi School of Punjabi Criticism, the department has kept up with the changing times by hosting national seminars/symposium, special lectures annually. The platform provided by the department for live wire interactions among thinkers, writers and teachers on one hand, and between the intellectuals and students on the other, has ensured that the department remains at the centre of Punjabi literature and culture's dynamic transformation through the decades.

Publications (10)

Kaur, J. (2017). *Guru Granth Sahib da Samajak Pravachan, Naitikta : Sahitak Parvachan*, Dr. Jaspal Kaur, Prof Manjit Singh & Dr. Harbans Singh Lit, 58-62.

Kaur, J. (2017). *Zafarnama : Naitikta Kaav-Pravachan, Naitikta : Sahitak Parvachan*, Dr. Jaspal Kaur, Prof Manjit Singh & Dr. Harbans Singh Lit, 46-49.

Singh, N. (2018) Sukhjinder Kaur, Gurjit Kaur, and Baljinder Kaur (Ed.). Punjabi Bhasha, Sahit ate Sabhiyachar mool Sarokar Punjabi Geetan di Bhasha: nav Peripekh, Sangam Publication, Samana, Patiala, 123-130.

Singh, R. (2017). Delhi Vich Punjabi Nat-Manch te Charan Dass Sidhu” in Samkali Sahit

Singh, R. (2017). Swachhata di Kahani: dai Di Zubani [Translated] in 4 volumes] published by Publication Division, Govt. of India.

Singh, Y. (2017). Bawa Balwant di Kaav Sirjan Parkirya (pp. 68-74), *Sanvad*, Vol. 06.

Singh, Y. (2017). Punjab de Lok Archive di Itahaskari (pp. 141-143), *Sanvad*, Vol. 06.

Singh, Y. (2017). Punjabi Bande di Hijrat da Sarapia Qissa (pp. 160-165), *Wahga*, Vol. 5.

Singh, Y. (2018). Aijaz Ahmad: Lo hi Lo si (pp. 138-145), *Kaav Shastar*, Vol. 11.

Singh, Y. (2018). Bhotwara: Katha Chintan di Lali (pp. 109-120), *Kaav Shastar*, Vol. 10.

Research Projects (01)

Sahitya Akademi, New Delhi, “*Translation Project on Sahitya Akademi Awarded winner - Short Stories Book 'Gaalivana'*”, 2017, Prof. Jaspal Kaur.

Seminar Organised (04)

A two-day National seminar on the topic “Kartar Singh Duggal Centenary Seminar in collaboration with Sahitya Akademi, on 13th -14th November, 2017.

Prof. Harbhajan Singh Memorial Lecture on ‘Dalit Sahit : Sidhant Te Itihaas’ delivered by eminent Historian Prof. Raj Kumar Hanson 30th January, 2018 in the Departmental Seminar Hall, Department of Punjabi.

Prof. S.S. Noor Memorial Lecture on “Heritage of Delhi” delivered by Jb. Anees Azmion 12th February, 2018 in the Departmental Seminar Hall of Punjabi Department.

Parvasi Kavian naal Ru-b-Ru te Kavita Path programme on 28th March, 2018 in the Departmental Seminar Hall of Punjabi Department.

Conference Organised

Dr. Jaspal Kaur (H.o.D.) organizer, International Punjabi Conference Delhi-2018 organised by S.G.T.B. Khalsa College, University of Delhi, Delhi held on 2nd & 3rd February, 2018.

Prof. Manjit Singh, organizer, International Punjabi Conference Delhi-2018 organised by S.G.T.B. Khalsa College, University of Delhi, Delhi held on 2nd & 3rd February, 2018.

Prof. Rawail Singh, organizer and Panelist, World Punjabi Conference, Chandigarh on 10-11 March, 2018.

Seminar / Conference Presentation (29)

Bala, R., (2017). *Kartar Singh Duggal Di Swai-Jeevni vich Swai Pachhan Di Nirmankari* in National Seminar (13-14 November, 2017) Organised by Department of Punjabi, University of Delhi, Delhi-07.

Gojra, K. (2018). “*Tarlok Singh Kanwar di Meta Alochna*” in a three day International Conference Vishav Punjabi Sahit Conference held at Punjabi University Patiala on 30 April-2 May, 2018.

Gojra, K., (2017). “*Duggal da Kaav Lok*” in a two day National Seminar Kartar Singh Duggal Janam Shatabdi Seminar held at Department of Punjabi on 13-14 November, 2017.

Gojra, K., (2017). “*Sukhwinder Amrit di Ghazal vich Naari Bimb di Nirmankari*” in a two day national Seminar Samkali Kaav di Paradinidh Kaav-Sur: Sukhwinder Amrit by department of Punjabi, Punjabi University Patiala on 21-22 November, 2017.

Kaur, J. (2017). “*Punjabi Sahit di Prasangikta*” in the National Seminar on Ajoke Sandarbh vich Punjabi Sahit di Prasangikta organised by Guru Gobind Singh College of Commerce, Pitampura held on 26th October, 2017.

Kaur, J. (2018). “*Guru Nanak Bani da Uttar Adhunik Paripek*h” in the National Seminar on Life & Legacy : Guru Nanak organised by Delhi Sikh Gurdwara Management Committee, Delhi held on 16th -17th February, 2018.

Kaur, J. (2018). “*Guru Ravidaas Bani da Kaav Parvachan*” in the “Begam pura Shahar ko noan” organised by Dyal Singh College, Delhi held on 21 February, 2018.

Kaur, J. (2018). “*Parvasi Punjabi Sahit : Ateet te Vartmaan*” in the International Punjabi Conference, Delhi – 2018 organised by Sri Guru Tegh Bahadur Khalsa College, University of Delhi, Delhi held on 2nd - 3rd February, 2018.

Kaur, J. (2018). “*Vahi Khata : Swai da Birtant*” in the National Seminar on Punjabi Prose organised by Mata Sundari College, Karnal, Haryana held on 14 March, 2018.

Kaur, J., (2017). “*Women Images as Depicted in Diasporic Punjabi Poetry*” in the South Asian Women International Conference organised by DISHA Association of Canadian Punjabi Women, Toronto Canada held on 17th -18th June 2017.

Kaur, J., (2017). “*Ethics as depicted in Diaspora Short Stories*” in the World Punjabi Conference organised by Punjabi Business Professional Association (PUBPA), Toronto, Canada held on 23rd June-25th June, 2017.

Kumar, R. (2017). *Changing Patterns of Punjabi Diasporic Literature*, Coordinated Seminar and presented an Introductory Note in a two-day National Seminar, organised by Sahitya Akademi (National Academy of Letters) and Department of Evening Studies, Panjab University, Chandigarh, held at Chandigarh, October 26-27, 2017.

Kumar, R. (2018). *Sri Muktsar Sahib – Farming Crisis : Contemporary Socio-Cultural, Economic &*

Political Perspectives, in a one-day National Seminar organised by Guru Gobind Singh Girls College, Giddarbaha (Sri Muktsar Sahib), February 17, 2018.

Kumar, R. (2018). *Vishvikaran De Sandarbh Vich Punjabi Bhasha, Sahit ate Sabhiyachar*, in a one-day National Seminar organised by Master Tara Singh Memorial College for Women, Ludhiana, February 08, 2018.

Singh, M. (2017). "*Gurbani Vich Pesh Nāri Bimb di Sarthakta*" in the Canada : Women International Conference held on 17-18 June, 2017.

Singh, M. (2017). "*Gurbani Vichon Ubharnn Wala Naitikta da Sankalp*" in the Canada : International Punjabi Conference on 23rd -25th June, 2017.

Singh, M. (2018). "*Gurmat Sahit : Vangara te Pratiuttar*" in the International Punjabi Conference held at SGTB Khalsa College on 2nd and 3rd February, 2018.

Singh, N. (2017). *Punjabi Bhasha: Code Mixing and Transformation, Relevance of Punjabi Language, Literature & Culture in Contemporary Context*, Gyan – Punjabi Sahit SabhaShri Guru Gobind Singh College of Commerce, Delhi University. Date: Oct. 26..2017

Singh, N. (2018). *Kartar Singh Duggal da Sahit: Bhasha Shilley, Century Seminar*, Department of Punjabi & Sahitya Akademi, Delhi, Date: Nov. 12-13.2018

Singh, N. (2018). *Punjabi Bhasha te Antar Anushansi Sikhya Sansaar, International Punjabi Conference*, Delhi-2018, Sri Guru Tegh Bahadur Khalsa College, University of Delhi. Date: 02-03-2018.

Singh, R. (2017). "*Changing Patterns of Punjabi Diasporic Literature*" Presidential remarks at a national seminar on 26-27 October, 2017 organised by Deptt. Of evening Studies, Punjab university, Chandigarh.

Singh, R. (2017). "*Jammu Kashmir Da Punjabi Sahit*" key note address in two days All India Punjabi Writers Conference At Jammu organised by J&K Academy of Art, languages and culture on 13 December, 2017.

Singh, R. (2017). "*Punjabi media Di Badaldi Bhasha*" at a seminar organised by Guru Nanak Dev University Regional Centre Jalandhar on 14 October, 2017.

Singh, R. (2018). "*Punjabi Bhasha Di Globali Sathiti*" key note address in World Punjabi Conference on 21 Febraury.2018 organised by Khalsa college, Patiala.

Singh, R. (2018). "*Punjabi Nat-Manch de Globally Sarokar*" key note address in national seminar on 31st March, 2018 at SGG Janta College Raekot, Ludhiana.

Singh, Y., (2017). *Punjabi Diaspora de Badalde Sarokar*, National Seminar on the topic 'Changing Patterns of Punjabi Diasporic Literature, Department of Evening Studies, Panjab University, Chandigarh held on 26-27 October 2017.

Singh, Y., (2018). *Ambrish da Kaav-Chintan*, National Seminar on Punjabi Kaav-Chintan, R.S.D. College, Ferozepur, 23-24 February, 2018.

Singh, Y., (2018). *Modernity in Punjabi Literature*, International Punjabi Conference, Sri Guru Teg Bahadur Khalsa College, Delhi, 2nd and 3rd February 2018.

Singh, Y., (2018). *Punjabi Sahit da Gyan Shastar*, Chadhya Basant Utsav, Naad Pargas, Amritsar, 27-28 February 2018.

Inter-Institutional Collaboration

Sahitya Academy, Delhi

Punjabi Academy, Delhi

SS Noor Foundation, Delhi

Extension and Outreach Activities

Faculty and students regularly participate in book discussions held third Saturday of every month organised by Punjab Literary Forum, Bhai Vir Singh Sahit Sadan, New Delhi.

Ph.D. / M.Phil Awarded

Ph.D. – 02

M.Phil. – 16

Faculty Strength

Professors: 01 (filled) + 01 (CAS and MPS)

Associate Professors: 03 (filled) + 03 (CAS and MPS)

Assistant Professors: 05 (filled) + 04 (CAS and MPS)

Other Significant Information

Department is committed to help physically challenged students and financially weaker students.

The department has its own international recognition as Delhi School of Punjabi Criticism.

SANSKRIT

Major activities and achievements

The Department of Sanskrit organised NN Chaudhuri Memorial Lecture on 03.02.2018, and also celebrated Sanskrit Week during 10.08.2017. The Department of Sanskrit has been observing the celebration of the Traditional New Year Vikrama Samvatsara: 2073 on 8th April, 2018 at Satyakam Bhawan, Social Science Extension Building. It organised the National Symposium on Importance of Sanskrit in Global Perspective organised by WAVES Tarun Tarang in collaboration with Department of Sanskrit, SDC, University of Delhi on 12.8.2017. The Department of Sanskrit has organised the National Workshop on Antiquity of Indian Culture and Linguistic Speculations at Department of Sanskrit, South Campus, University of Delhi, New Delhi on 24.3.2018.

Honors/Distinctions

Dwivedi, M. awarded “Vividha-puraskara (Sahitya)” by Uttara Pradesh Sanskrita Sansthan on the Book Titled “Kālidāsa strī abhidhāna mālā” in December, 2017.

Journals

Department teachers serving as Editor(s)/Member(s) of Editorial Board

Singh, A. P. serving as Editor-in-Chief, Shodh Navneet (International Research Journal)

Tiwary, D. S. is serving as editorial board of an International Refereed Research Journal Tripathaga Vol. 1.11, BHU, Varanasi.

Tiwary, D. S. is serving as Editorial board of Patliputra Journal of Indology, Patna.

Tiwary, D. S. is serving as editorial board of Refereed Journal Drishtikon published from Drishtikon Prakashan, New Delhi.

Tiwary, D. S. is serving as Executive Editor of International Journal of Sanskrit Research (Ananta), Delhi.

Tripathi, R. K. is serving as Editor in Chief ‘Tripathaga’ International Research journal

Behera, R. served as Editor, WAVES Newsletter, May, 2017

Behera, R. has served as Member, Review Board, Vagarth, An International Journal of Sanskrit Research.

Publication (22)

Anju and Chandra, S. (2018). Development of Web-Based Dictionary for the Technical Terms of Sāmkhya-Yoga Philosophy. *International Journal of Creative Research Thoughts*, 6(1), 724-728. [Impact Factor: 5.97].

Behera, R. (2017). Vaidikavaravishayini dristih (Part-I), *Shodhprabha*, 42(2), 1-8.

Behera, R. (2017). Vaidikavaravishayini dristih (Part-II). *Shodhprabha*, 42(3), 1-9.

Behera, R. (2018). *Vaidikavanmaye Krishivijnanam*. In *Vaidika Parampara Mein Vijnan Aaur Adhyatma (Ancient Indian Literacy Heritage – 7 of WAVES)*. Pratibha Prakashan, Delhi.

Chandra, S. (2017). *मशीनीअनुवाद (Machine Translation) यूजीसीसीबीसीएसस्कीमकेतहतबीए (संस्कृत) केएईईसी (AEEC)-3 केपाठ्यक्रमपरआधारित*. Vidyanidhi Prakashana, New Delhi. [ISBN: 978-93-85539-52-7].

- Chandra, S. and Anju. (2017). Puranic Search: An Instant Search System for Puranas. *Language in India*, 17(5).
- Chandra, S., Kumar, B., Kumar, V. and Sakshi. (2017). लघु सिद्धान्त कौमुदी आधारित कम्प्यूटर कृत सुबन्त रूप सिद्धि प्रक्रिया. Vidyaniidhi Prakashana, New Delhi, India.
- Dindoriya, V.P. (2017). *Veda-vednta tatha vedanga jyotisa*. Delhi: Parimal Publications.
- Dwivedi M. (2018). Alaṅkāraṇ mem śleṣattva vimarśa, *shodhaprabha*, 43(1), 44-61.
- Dwivedi M. (2018). Dhanika ka sabda bodha vimarsha, publishaed. In Beena Agrawal (Ed.) *samskrit kavyasha evam samayaika sandarbha*, (pp. 25-42). Delhi: Vidyaniidhi Prakashan.
- Kumar, V. and Chandra, S. (2017). भ्वादिगण्यधातुओंकेलियेक्रियापदसिद्धितन्त्रकानिर्माण. *National Journal of Hindi & Sanskrit Research*, 1(10).
- Meena, R. K. and Chandra, S. (2017). संस्कृतछन्दप्रवेशिका: यूजीसीसीबीसीएसस्कीमकेअन्तर्गतबीए (ऑनर्स/पास) संस्कृतकेपाठ्यक्रमएईईसी-5 तथाजीई-3 हेतुपाठ्य-पुस्तक, New Delhi: Munshiram Manoharlal Publishers.
- Sakshi and Chandra, S. (2017). Sanskrit taddhita and English Suffixes: A Primary Investigation. *Language in India*, 17(5).
- Singh, A. P. (2017). Tattopplvasinha me aatmtattva vimarsha, *ShodhNavneet*, 8, 43-47.
- Singh, A. P. (2018). Chhandahsameeksha me Advaita Vimarsh (Panchangataavaad ke sandarbha me), *ShodhNavneet*, 8, 43-47.
- Singh, S. P. (2017). Magahī Vyākaraṇa kā saṁkṣipta paricaya. In *The PLSI, Part 1, Bihāra kī Bhāṣāem*, Chief Editor: Ganesh Devi & Volumn editor Vibha Chauhan, 359-372.
- Singh, S. P. (2017). Maithilī bhāṣā kā saṁkṣipta paricaya. In *The PLSI, Part 1, Bihāra kī Bhāṣāem*, Ganesh Devi (ed.) & Volume editor Vibha Chauhan, 113-126.
- Tiway, D. S. (2017). Dharmashastra mein Varnita Vinimaya-vivada (Vikriyasampradan) ka Swaroop evam Samaadhan. *Patliputra Journal of Indology*, 9, 60-65.
- Tiway, D. S. (2017). *Sanskrit Vangmaya mein Ganitiya Parampara*, Delhi: Vidyaniidhi Prakashan.
- Tiway, D. S. (2017). Sthapatya Kala ki Drishti se Shriranga Mandir ka Yogadana. *Patliputra Journal of Indology*, 09, 74-81.
- Tripathi, R. K. (2017). Sheldon Pollok ke Sanskrit sambandhi Vichar. *Ved- Jyotishmati*.

Seminar/Conference Presentations (31)

- Behra, R. (2018). has chaired the 3rd session of the section – Samskritavanmaye Varnitanam Catuhsastikalanam Ganitasastrasya Ca Upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 25 March, 2018.
- Behra, R. (2017). Pramukhashikshagranthadrisha Vedadhyayanam, WAVES 21st Conference of India, 10-12 December, 2017 at Bhartiya Vidya Bhawan, New Delhi.
- Behra, R. (2017). Virendrakumarabhattacharyacharyasya Sahityikamavadanam (Kalapika-Omarkhaiyamagranthayoh Sandarbhe) at Ramakrishna Mission Residential College, Kolkata on 22.4.2017 jointly organised by Sahitya Academy and Ramakrishna Mission Residential College, Kolkata, West Bengal.
- Behra, R. (2018). Teaching Methodology and Challenges at School Education in the National Seminar on Teaching Methodology and challenges organised by DAV College, Naneola, Ambala, Haryana on 7.3.2018.
- Behra, R. (2018). attended the National Seminar at Gurukul Prabhat Ashram, Merrut and presented the paper titled Upanishaddrisa Adityasaya Svarupam on 13.1.2018 .
- Behra, R. (2018). has chaired the 9th session of the section – Samskritavanmaye Varnitasaya yogasastrasya upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 27 March, 2018.

Behra, R. (2018). has coordinated the 2nd, 5th & 8th sessions of the section - Samskritavanmaye Varnitasya yogasastrasya upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 25-28 March, 2018.

Chandra, S. (2017). "Computational Linguistics: A Practical and Interdisciplinary Field for Sanskrit" (संगणकीयभाषाविज्ञानसंस्कृतकेलिएकव्यवहारिकएवंअंतर्विषयकक्षेत्र) Special Lecture delivered at Department of Sanskrit, Miranda House College, University of Delhi on Sep 07, 2017.

Chandra, S. (2017). "UGC Choice Based Credit System (CBCS) Courses for Sanskrit and CL Research at DU" Special Lecture delivered at School of Sanskrit and Indic Studies (संस्कृतएवंप्राच्यविद्याअध्ययनसंस्थान), Jawaharlal Nehru University, New Delhi on Nov 16, 2017.

Chandra, S. (2018). "Indian Languages Computing with Python" Special Lecture delivered in Faculty Development Program on Natural Language Processing (NLP) from Feb 19-23, 2018 at ABES Engineering College, Ghaziabad, 19th KM Stone, NH 24, Ghaziabad -201 009, U.P. on Feb 21, 2018.

Chandra, S. (2018). "Theoretical Concepts of Machine Translation" Lecture delivered in One Day Interdisciplinary National Workshop on the "Critique Of Ambiguity In Sanskrit Shaastraas & Artificial Intelligence /Machine Translation (With Ref. To Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra, Anekaantvaad)" organised by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.

Chandra, S. (2018). "Various Research Opportunities in Sanskrit and other Indian Languages with Computational Linguistics" Lecture delivered at Hindu College, University of Delhi, Delhi on March 21, 2018.

Chandra, S. (2018). "Challenges in Machine Translation System" in One Day Interdisciplinary National Workshop on the "Critique Of Ambiguity In Sanskrit Shaastraas & Artificial Intelligence /Machine Translation (With Ref. To Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra, Anekaantvaad)" organised by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.

Dindoriya, V. P. (2018). Kena tathÁ KaÔhopaniÔad mein padaucitya in National Seminar on "Vedo, mein kalÁ evam vijñÁna" on 23-24 March, 2018, Dept. of Sanskrit, PGDAV college, University of Delhi.

Dindoriya, V. P. (2018). MaitrÁyaÆÍya ÁraÆyaka ke Béhadhratha-ĪÁkÁyanya upÁkhyÁna kÁ rahasya in National Seminar on "VedÁrthanirñaye ÁraÆyakÁnÁm bhŪmikÁ", 17-18 March 2018, V.V.B.I.S.& I.S.(P.U.), Hoshiarpur, India.

Dindoriya, V. P. (2018). YogÁnuÐÁsanaprakÁsa mein viÔayapratipÁdana-paddhti kÁ vaiÐiÔÔya in National Seminar on " BhÁratĪya-darÐana ke prakaÆa granthon kí ÐikÔaÆa-pravidhi", 09 March, 2018, Dept. of Sanskrit, Hindu college, University of Delhi.

Dwivedi M. (2018). Vedon mem nāṭyakalā at seminar organised by department of Sanskrit PGDAV College University of Delhi on 24.03.2018 and also chaired a session.

Dwivedi, M. (2017) Śathapatha brāhmaṇa men patnī samyāja(yaġnavimarśa) in seminar organised by Shri Shankar Shikshayatan, New Delhi on 29.4.2017 and chaired a session.

Dwivedi, M. (2017). Laiṅgika samānatā aura Vedic-dṛiṣṭi at the World Veda Conference organised by Indira gandhi rāṣṭriya kalā kendra Delhi on 15.12.2017and was honoured as Sārasvata Atithi.

Dwivedi, M. (2018). Chāndogyopaniṣad mem trivritkaraṇa kī avadhāraṇā. In National seminar on 11.01.18 Organized by svami samarpananad vedic shodha sansthan gurukul prabhat ashram tikari meerut UP,

Dwivedi, M. (2018). has delivered a lecture on the topic of BhāratĪya raṅgamañca kā svarūpa aura upayogitā invited by Sanskrit department of Miranda house College, Delhi University on 07.02.2018.

Dwivedi, M. (2018). Sanskrit sāhitya mem rāmākathā in seminar organised by department of Sanskrit, Rohatak University Haryana on 8.03.2018.

Dwivedi, M.(2018). Chandaḥ-samīkṣā me nirūpita avaṣṭambha vyavasthā at seminar organised by Shri Shankara shikshayatan New Delhi and dept of Sanskrit, University of Delhi on 19.7.2017 and also chaired a session.

Dwivedi, M., (2018).nāṭya-śātra kī prāsaṅgikatā in seminar organised by Delhi Sanskrit academy at Vijnana bhavana New Delhi on 25.3.18

Kishan, M. (2017) '*Chhandobhedah Marmchinta*' in a National Seminar on 'Chhandah Sameeksha Vimarsh' organised by Shri Shankar Sikshayatan & Sanskrit Deptt, University of Delhi on 19 Aug, 2017.

Sharma, S. (2018) "*Upanishadom mein vivdh vidyayen*" in a National Seminar on Akhila-Bhartiya-Vadika Shodh-Sangoshthi organised by Gurukul Prabhat Ashram, U.P. on 13.01.2018.

Singh, A. P. (2017) '*Chhandasameeksha me Vedantatattva Vimarsha*' in a National Seminar on 'Chhandah Sameeksha Vimarsh' organised by Shri Shankar Sikshayatan & Sanskrit Deptt, University of Delhi on 19 Aug, 2017.

Tiary, D. S (2018).*Kautilya Arthashastra mein Krishi evam Jal Prabandhan ki Vaigyanik Avadharanain* National Seminar Organised by Smile National Women PG College, Meerut, UP, 19-20 February, 2018.

Tiary, D. S. (2017). *Darshan, Neeti and Vigyan in the Vedas*, World Conference on the Vedas (15-17 Dec, 2017) at IGNC, New Delhi organised by Dharma Pratishthan, Delhi.

Tiary, D. S. (2017).*Indispensability of Numbers and Numerals of Indian Intellectual Traditions and their Scientific Role*, 2nd International Vedic Mathematics Conference (27-29 Dec, 2017), IAVM, U.K. in collaboration with Deptt. of Sanskrit, St. Stephens College, University of Delhi, Delhi.

Tiary, D. S. (2018).*Tyag evam Bhog ke sandarbh mein Ishavasyopanishad ki tattvika drishtiin* National Seminar Organised by Swami Samarpananand Vaidik Shodh Sansthan, Gurukul Prabhat Ashram, U. P. on 13.01.2018.

Placement Details (Number and Percentage of Students Placed) –

Two students placed at Delhi Government School

Ms Sakshi Doctoral, Research Scholar placed as PGT (Sanskrit) Delhi Government School, Delhi.

Mr Vivek Kumar, Doctoral Research Scholar placed as TGT (Sanskrit) Delhi Government School, Delhi.

Number of M.Phil/Ph.D. Degree Awarded

Ph.D. : 16

M.Phil : 15

Faculty Strength – 24

Other significant information

Dwivedi, M. (2018) has reciting the Sanskrit Poems in a Kavi sammelan Organised by Sanskrit Department of Hindu College, University of Delhi on 22.03.2018

Dwivedi, M. (2017) has delivered a lecture titled- *kālidās kā śabda paripākain* a refresher course program conducted by Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi on 27.June 2017.

Tripathi, R.K.(2017)has Delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Sanskrit Evam Hindi Ka Anter-sambandh" on 15 July,2017.

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Kavyashastra men Rasa-swarup-vimarsh" on 02 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Alankar-Sampraday-Vivechan on 03August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Dvani-Sampraday : Ek Anushilan" on 04 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Riti-sampraday- ka Kavyaatm-Vivechan" on 18 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Vakrokti Evam Auchitya-Vimarsh" on 20 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Ramayana Evam Mahabharata Ka Samanya vivaran" on 04 Sept., 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Rupako ka Udbhav Evam Vikas" on 05 Sept., 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered Lecture as Chief Speaker in International Seminar Entitled “Adhunik Sanskrit-Sahitya Men Manav-Mulya” Organised by Kalindi College, University of Delhi, Delhi on 03.03.2017.

Tripathi, R.K. (2018) has delivered lecture as chief speaker in National Seminar entitled “Sanskrit Sahitya me Rashtriya Bhavana” on 11 March, 2018 organised by Department of Sanskrit, Barkatulla University, Bhopal (MP)

Tripathi, R.K. (2018) has delivered lecture as speaker in fourth extension lecture, organised by department of Sanskrit, Jamiya Milliyya Islamiya University, Delhi. entitled “Alankarsidhantvikas-parampara” on 21-3-2018 (11 am- 12:30 pm)

Tripathi, R.K. (2017) has delivered two lectures as resource person in refresher course at CPDHE, University of Delhi. 20 June-2017 & 4 July 2017.

SLAVONIC AND FINNO-UGRIAN STUDIES

Major Activities and Achievements

The Department of Slavonic and Finno-Ugrian Studies prides itself as being the only Department in the country where, besides Russian and Polish, courses in Bulgarian, Czech, Croatian, and Hungarian languages are taught. This gives the Department an opportunity to conduct a variety of activities beyond classroom teaching. A list of these activities is given below.

This year the Department celebrated two major landmarks – Seventy years of the establishment of the Russian Language Department (the first in the country) in Delhi University coinciding with seventy years of Indo –Russian Diplomatic relations and twenty years of the commencement of courses in Croatian language. These were marked by organizing various unique events - A Photo Exhibition: “Tolstoy-Gandhi: Preachers of Non-Violence” in collaboration with the Embassy of Russia in India, The Leo Tolstoy House Museum Yasnaya Polyana, Russia, the National Gandhi Museum, New Delhi and the Gandhi Bhawan, Delhi University; a quiz competition: “Druzba- Dosti ” in collaboration with St. Stephens College, University of Delhi, comprising of questions based on 70 years of diplomatic relations between India and Russia and An International Conference: "India and Russia: Cross-Cultural Synergies" which was supported by the University of Delhi, the Indian Council for Social Science Research (ICSSR); the Embassy of the Russian Federation in India and the Russian Center for Science and Culture, New Delhi. The conference attracted renowned scholars and practicing scientists and teachers from different cities of Russia such as Moscow, St. Petersburg, Volgograd, Kazan, Ivanov, Murmansk, and Yekaterinburg, as well as from other countries - Georgia, Turkey and Sri Lanka, including India.

The program “Celebrating 20 years of Croatian language in Delhi University” was organised in collaboration with the Croatian Embassy and inaugurated by H.E. Mr. Petar Ljubicic, Ambassador of Croatia in India. The two day celebration was marked by exhibition of books, photographs, poetry reading sessions and special lectures.

As a routine the Department regularly collaborates with the Cultural Centers of the foreign countries to organize lectures and other activities of visiting specialists and experts, which gives the students an international exposure and widens their outlook. The Department is a vibrant and lively seat of learning.

Honours/Distinctions

Saxena Ranjana, Nominated Foreign External Supervisor for Ph.D student of Al-Farabi University, Kazakhstan

Publications (18)

James, C. V. (2017) ЧеннаккаданВариатхДжеймсВнутренняяформа и грамматическийстатусрусскихсложныхслов. Монография. - Нью-Дели: Изд-во (Monograph in Russian Language) “Internal Form and grammatical status of compound words”). Goyal Publishers and Distributes Pvt. Ltd. 308 c.

Koves, M. (2017) G. W. Leitner and the Hindi-Urdu Language Question in the Context of the Hungarian Language Reform, *Kalakalpa IGNCA Journal of Arts.*, 2(1), Guru Purnima, July 2017, 171-185.

Koves, M. (2017) Interview: Hungarian Author GáborLanczkor: Humanism in Crisis <http://www.frontline.in/arts-and-culture/literature/humanism-in-crisis/article9730464.ece?homepage=true> July 7, 2017

Koves, M. (2017) Photo-framed installations: second and third generation narratives about the partition and the holocaust, in looking back the 1947 partition of India 70 years. In Rakshanda Jalil, Tarun K. Saint and Debjani Sengupta, (pp. 54-66). Hyderabad: Orient Black Swan.

Koves, M. (2017) The Life and Work of Georg Lukács: An Introduction, *Social Scientist*, 534-535 (November- December, 2017), 3-40.

Koves, M. (2018) Amrita Sher-Gil és a magyarirodalom in Hungarian: Amrita Sher-Gil and Hungarian Literature. *Orpheus Noster, the Journal of KároliGáspár University*, 10(2), 42-53.

Koves, M. (2018) *JánosAranykathageetevamkavitaen, introduction editing, notes, co-translator*, Delhi: Rajkamal Prakashan.

Koves, M. (2018) Modernity, Ethics and Art in the Early Work of Lukács, *Social Scientist*, 536-537(January-February 2018), 11-27.

Munjal, G. (2017) A Hindi translation of a poem by Andrei Dementev, *Journal. Anuvad*, 172-173(July-December 2017), [a special issue on translation of Russian Literature into Hindi]. New Delhi: Translator's Association of India, 105-106.

Munjal, G. (2017) A Hindi translation of a story by Vasily Shukshin, *Journal. Anuvad* 172-173(July-December 2017), [a special issue on translation of Russian Literature into Hindi]. New Delhi: Translator's Association of India, 64-71.

Munjal, G. (2017) Russian Poetry in Hindi: Transforming Rhyme, Rhythm, Sense. *Critic*, 15(March 2018). [Centre of Russian Studies, SLL & CS, JNU, New Delhi, India].

Munjal, G. and Vashist, D. (2017) Basics of Russian morphology (Основыморфологииирусскогоязыка), Theory & Analysis of Parts of Speech in Russian, *Langers International*, 180 p.

Saxena, R. (2018) 'In search of the lost Atlantis: Dina Rubina's on the sunny side of the street', *The Russian Factor in Central Asian Culture*, New Delhi: Manak, 326-328.

Saxena, R. (2017). A tale of two cities: Calcutta and Tashkent in the contemporary Literary imagination, *Central Asia and South Asia: Economic, Developmental and Socio-Cultural Linkages*, New Delhi: Manak, 510-537.

Saxena, R. (2018). György Lukács and the Russian Soviet Factor, *Social Scientist*, 46(1-2), 65-90.

Suryanarayan, N. (2018). Using innovative technologies in teaching Russian literature to a foreign audience. In *Language and Speech on the Internet: the individual, Society, Communication, Culture*. [Vol.2], 40-52.

Suryanarayan, N. (2017) Book; *Russkiye pristavochkiye glagoli: Znachenije I upotriblenije*. Delhi.

Suryanarayan, N. (2017). *The role of Russian Language in India's Healthcare sector. Russian Journal of Linguistics*, Vestnik: Russian University of Peoples' Friendship, 515-529.

Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board: 01

Suryanarayan Neelakshi – Member of Editorial Board: 1. *Russian Journal of Linguistics*. Quarterly Journal of Peoples' Friendship University of Russia, Moscow.

Vestnik, Journal of Moscow City University – Series: *Philology, Theory of Linguistics*, Language Study.

Seminars /Workshops Organised (04)

21st Sept, 2017 A team of two experts Prof Natalia Novikova and Prof. Vladimir Meskin from the Peoples Friendship University, Moscow, Russia, conducted a one day Seminar cum Master Class in the field of Teaching Russian language and literature abroad. Certificates of participation were given to the students.

19th March, 2018 in collaboration with Croatian Embassy organised a programme "Celebrating 20 years of Croatian language in Delhi University". H.E. Mr. Petar Ljubicic, Ambassador of Croatia inaugurated the function as Chief Guest. The two day celebration was marked by exhibition of books, photographs and poetry reading session by the students and a lecture 'A Short Survey / History of Croatian Indology' by the special invitee Prof. Mislav Jezic (eminent indologist from Croatian Academy of Sciences and Arts)

23rd Oct to 30th Oct, 2017-Annual Film Festival: Little Europe, 2016-17 "Diaspora in Cinema" with active support from the Embassy of the Czech Republic and the Embassies of the Russian Federation, The

Republic of Poland, Bulgaria, Hungary and Croatia in India. Each screening was followed by a workshop conducted by the department teachers and invited film scholars and experts.

23rd October, Monday, 2017, 11.00 a.m. – Inauguration of Film-Festival “Diaspora in Cinema” by H.E. Ambassador of Czech Republic Mr. Milan Hovorka. The key note address was delivered by Prof. Meenakshi Thapan, Department of Sociology, University of Delhi. The inaugural function was followed by the Screening of the Czech Film: Kawasaki’s Rose (2009), followed by workshop by Film Scholar

24th October, Tuesday, 2017, 01.15 p.m. – Inauguration of the Documentary exhibition “Hope of Freedom” by H.E. Ambassador of Hungary Mr. Gyula Petho, followed by the Screening of the Hungarian Film: Daniel Takes a Train (2007), followed by workshop and tea.

25th October, Wednesday, 2017. 1.30 p.m. - Screening of the Polish Film: A Bar at the Victoria Station (2003), followed by workshop and tea.

26th October, Thursday, 2017. 1.30 p.m. – Screening of the Croatian Film: My Uncle’s Legacy followed by workshop and tea.

27th October, 2017. 1.30 p.m. – Screening of the Russian Film: Passport (1990), followed by workshop and tea.

30th October, Monday, 2017, 1.30 p.m. – Screening of the Bulgarian Film: Forecast (2009), followed by workshop and tea.

31st October, Tuesday, 2017, Presentation by the students and closing of the Film-Festival. Awards for the best presentation were given to the respective students

27th Nov, 2017. A workshop on translation of Bulgarian Poems, folktales and short stories by the students of Bulgarian Language conducted by Prof. Milena Bratoeva (Head) Department of Classical Eastern Studies, Sofia University “St. Kliment Okhrid” Bulgaria Dr. Vimlesh Kanti Verma was the special invitee for the workshop. Dr. Rashmi Joshi and Dr. Galina Molhova coordinated the programme.

Conferences Organised

International Conference on “India and Russia: Cross-Cultural Synergies” held on 22nd -23rd February, 2018. The conference was supported by the University of Delhi ; the Indian Council for Social Science Research (ICSSR); the Embassy of the Russian Federation in India and the Russian Center for Science and Culture, New Delhi.

Seminar/Conference Presentation (21)

Chennakkadan V. J. (2017) “*Multilingualism: India-Russia perspective*” International Seminar: Multilingualism in India and Russia, February, 2017, Department of Russian, University of Mumbai, Mumbai.

Chennakkadan V. J. (2017). “*Ease of learning Russian through explanatory grammar - an innovative approach in teaching/learning Russian*” International Seminar: Effective and Innovative Approaches in Teaching Russian Language and Literature, December, 2017. Department of Russian, University of Mumbai, Mumbai

Chennakkadan V. J. (2017). *Special lectures “Explanatory Grammar”* (240 min.) at the University of Mumbai, Mumbai, India, on December 10, 2017 • Special lectures: “Ease of Learning Russian Language using Explanatory Grammar” (180 min), at the Department of Modern Languages, University of Kelaniya, Colombo, Sri Lanka on December 20, 2017

Chennakkadan V. J. (2018). “*Protomorphemes as cross-linguistic synergy elements in Russian*” International Conference: India and Russia: Cross Cultural Synergies, February, 2018. Department of Slavonic and Finno-Ugrian Studies, University of Delhi, Delhi

Chennakkadan V. J. (2018). *Special lectures “Explanatory Grammar”* (120 min.) at the Directorate of Russian Translation Cell in Air Headquarters, Delhi on February 16, 2018

Koves M. (2018). “*About Hungary, Custom, History, Literature*” lecture at United Nation Womens Asociation, New Delhi, 23d January, 2018

Koves M. (2018). “*Media Studies: Pedagogic and Methodological Engagements*”, paper presented “Photography and Literature” Centre for Media Studies, SSS, Jawaharlal Nehru University, 23-25 March, 2018

Koves M. (2018). “*The Custom-Officer and God: Form and Fiction of Home*” Dept of Germanic and Romance Studies, University of Delhi, International Seminar, “Imaginary Homelands” 8-10 March, 2018

Munjal G. (2017). *"The Role of Grammar in methodology of teaching Russian Literature"*, International Conference: 'The Russian Studies: Changing Dimensions in Literature & Culture, Language & Translation, SLL&CS, JNU, New Delhi, 2017-11-09

Munjal, G. (2017). *"Russian Poetry in Hindi: Transforming Rhyme, Rhythm, Sense"* National Seminar cum workshop: Emerging trends in translation studies, September 6-7, 2017, SLL&CS, JNU, New Delhi, 2017-09-06

Munjal, G. (2017). *"Innovative methodology in developing Reading and listening comprehension skills in understanding of Russian literary texts"*, Department of Russian, International Institute of Business Networking, Saint-Petersburg, Russia, (International), 2017-05-24, 120 min.

Munjal, G. (2017). *"Modern Political discourse in Russia"* & *"Modern Russian Syntax"*, Directorate of Russian Translation Cell, AIR HQ (RKP), New Delhi (National), 2017-09-13, 120 min.

Munjal, G. (2017). *"New Innovative methodology of teaching and learning case system in Russian grammar"*, Department of Russian, International Institute of Business Networking, Saint-Petersburg, Russia, (International), 2017-05-26, 120 min.

Munjal, G. (2017). *"Winged Words & Expressions in Russian"* & *"Stylistics use of Synonyms"* Directorate of Russian Translation Cell, AIR HQ (RKP), New Delhi (National), 2017-11-15, 120 min.

Saxena R. (2017). *Relevance of tolstoy and gandhi in the times of post-truth* read in absentia at the seminar "Tolstoy And The Revolution - XII Readings on Tolstoy" held on the 25th of May 2017 organised by the Gorky Institute of World Literature. Academy of Sciences, Moscow.

Saxena R., (2017) *the Russian Revolution and Women's Movements* MMAJ Academy Of International Studies Jamia Millia Islamia Eurasia, A Hundred Years After 1917 9 November 2017

Saxena R., (2018) *"L.N. Tolstoy & M.K. Gandhi - In Search Of The 'Ideal World' (in Russian)* India And Russia: Cross Cultural Synergies on the 23rd of February, 2018 Department of Slavonic and Finno-Ugrian Studies, University of Delhi

Suryanarayan N., (2017). *'Ethnic stereo types in learning/ teaching a foreign Language.'* International Conference dedicated to 25 years of the establishment of the Center of Russian Language, London, "Russian outside of Russia", 2-3 November, 2017.

Suryanarayan N., (2017). *'Russian literature as a source of inspiration and imparting moral values to the youth.'* At the IIIrd International Livadia Forum, invited by the Russian Federation Ministry of Education and Science, Livadia, Crimea, 5th-6th June 2017.

Suryanarayan N., (2018). *'Cultural literacy as the basis for understanding and effective communication. (Based on the material of Indian and Russian Communicative cultures)* in Russia. International Conference- India and Russia: Cross cultural synergies. Department of Slavonic and Finno-Ugrian Studies, University of Delhi, Delhi, 22-23 February, 2018.

Vashist D. (2018). *Migrant themes in Russian and Indian women's writing at the turn of XIX-XX centuries* (Бродячие сюжеты в русской и индийской женской литературе на рубеже XIX-XX веков) in the International Conference 'India and Russia: Cross Cultural Synergies' Department of SFUD, University of Delhi, Feb 2018.

Students under Exchange Program

21st February, 2018-A special master-class "Let us write for the newspaper" for the students of M.A. Russian Studies was conducted by Prof. Galina Trofimova, Visiting Professor, People's Friendship University, Moscow. Students were given Certificates of participation.

Placement Details

Several students of Russian have found gainful employment as interpreters in medical tourism and other fields

Extension and Outreach Activities

11th Sept, 2017 -The students viewed the Live Telecast by Hon'ble Prime Minister Shri Narendra Modi on "Young India – New India – A Resurgent Nation: from Sankalp to Siddhi" on the occasion of 125th year of Swami Vivekanand's and Pandit Deendayal Upadhyay Centenary Celebrations in the Audio-visual room of the Department.

19th Sept, 2017-An Elocution Competition on the topic “Health and Hygiene are the real Wealth” was organised as a part of the Ministry of HRD Programme “Swachhta Pakhwada”. The students of all courses participated in the competition. Certificates of participation and 1st, 2nd and 3rd prizes were distributed to the students.

6th Oct, 2017- A presentation by the students of Bulgarian language who participated in the Summer Seminar in Bulgaria, narrating their learning and living experience in Bulgaria. All the students of Bulgarian Language attended the presentation.

30th Oct, 2017 Ms. Violeta Halacheva from University of Sofia, Bulgaria gave a talk on “Modern Technology in Foreign Language Teaching” with special reference to Bulgarian Language. The students of Bulgarian Language as well as other languages attended the talk.

05th Dec, 2017 A lecture by Hungarian writer “Mr. Gabor Lanczkor “Amrita Sher Gil as I see her” on the basis of his novel. A flute recital by Ms. Krisztina Lanczkor-Kocsis, musicologist from Hungary “Concert Etudes for Flute”.

13th Dec, 2017 Musical performance of the renowned Hungarian Ensemble Kalaka and Indian Musicians in collaboration with Department of Music, Faculty of Music & Fine Arts, University of Delhi. Performance was held at the Concert Hall, Department of Music. The Kalaka ensemble later gave a performance of poems of Sergei Yesenin and Attila Jozsef set to music in the A.V. Room of the Department.

11th Jan, 2018 To mark 100 years of the Russian Revolution, A film show “Ten Days that Shook the World” based on the novel by John Reed (dubbed in Hindi) was screened for the students. The film was presented and discussed by Mr. Vineet Tiwari (Senior Journalist, Socio-Political Analyst) and Dr. Jaya Mehta (Prof. at Joshi Adhikari-Institute of Social Studies).

29th January, 2018 A lecture by Prof. Zoja Karanovic (University of Novy Sad, Serbia) on “Tales told by Plants”.

16th February, 2018 H.E. Mr. Adam Burakowski, the Ambassador of the Republic of Poland was invited to deliver a lecture: “Contemporary Poland”. All teachers and students attended.

27th February, 2018 Slava, 2018 Annual Quiz Competition for the students of all languages (Bulgarian, Croatian, Czech, Hungarian, Polish and Russian) covering questions on History, Geography and Culture of these countries. Student’s teams were conferred with I, II and III prizes.

28th February, 2018 A delegation from The Margarita Al Literary Society from Russia under the aegis of “Eurasian Peoples’ Assembly” conducted a talk and an interactive session on “100 years of Russian Avant-garde”

14th March, 2018 H.E. Mr. Petko Doykov, Ambassador of Bulgaria in India, delivered a lecture on “Bulgaria’s Role as the Presidency of Council of European Union: Prospects and Challenges”. The lecture was open to all students and teachers of the Department.

22nd March, 2018 Annual Students Cultural Programme “RADUGA” (A Cultural Interface) in Shankar Lal Hall, University of Delhi. All the students of the department as well as the colleges where classes in Russian language are being conducted, participated in the programme, showcasing their talent in various cultural activities.

Number of M.Phil/Ph.D. Degrees Awarded

Ph.D: 01

M-Phil: 02

Faculty Strength

Professors: 03 (vacant)

Associate professors: 03 (Through CAS) + 03 (vacant)

Assistant professors: 03 + 05 (vacant)

Five Assistant Professor (On ad-hoc basis) working in the Department

Five visiting faculty from Bulgaria/Croatia/Czech Republic/Hungary/Poland under Cultural Exchange Programme

Five guest lecturers working in the Department

Other Significant Information

Suryanarayan N., (2017). Participated in the Forum For Discussion Of Experts On The Popularization Of Educational Technologies And Training Methods Towards Strengthening The Status Of The Russian Language at the International Conference "Russian World: Present and Future", Moscow, Russia, June 21 – 22nd 2017

Suryanarayan N., (2018). Plenary speaker: "Using innovative technologies in teaching Russian literature to a foreign audience" 2nd International Conference: "Language and Speech on the Internet: the individual, Society, Communication, Culture." Russian University of Peoples' Friendship, Moscow, 29-30, March, 2018.

Students of the Department participate regularly in various competitions related to the knowledge and skills of language that they are learning and have been receiving awards and prizes for the same.

11th Sept, 2017 - The Czech Republic (former Czechoslovakia) and India celebrated their 70th anniversary of establishment of diplomatic relations. The students from the Czech section with the Czech teacher participated at the inauguration of the exhibition "All the Beauties of the World" featuring the life and work of Czech writer Jaroslav Seifert winner of Nobel Prize for Literature. The exhibition was opened by the Minister of Culture of the Czech Republic Daniel Herman at Gandhi Smriti Memorial in New Delhi. The students gave a brief presentation about their relation with the Czech language and Czech culture.

12th October, 2017 - Participation by students at an Olympiad "Days of Russia in India" organised at The Centre of Russian Studies, School of Language, Literature and Culture Studies, Jawaharlal Nehru University to celebrate the 70th anniversary of Indo-Russian Diplomatic relations. Students received prizes in the Olympiad and certificates of participation.

8th Jan, 2018 – Meet the Writers Panel Discussion "Imaginary Homelands" in collaboration with Department of Germanic and Romance Studies, University of Delhi, with writers from France, Austria, Germany, Slovenia, Portugal and Hungary in Room No-22 of Arts Faculty. Book reading session and close interaction with the Polish writer Mr. Jakub Matecki, Slovenian writer Mr. Evald Flisar and Hungarian writer Mr. Attila Bartis in the Department.

18th January to 22nd January, 2018 Exhibition: "Tolstoy-Gandhi: Preachers of Non-Violence" in collaboration with Embassy of Russia in India, The Leo Tolstoy House Museum Yasnaya Polyana, Russia, the National Gandhi Museum, New Delhi and Gandhi Bhawan, Delhi University. The Photo-exhibition was inaugurated by the Honorable Vice-Chancellor, Prof. Yogesh K. Tyagi & Minister-Counsellor, Embassy of the Russian federation in India Mr. Sergey Karmalito. Keynote lecture was delivered by Mr. Annamalai A., Director, National Gandhi Museum. A cultural program comprising of a theatrical performance, bhajans, Russian and Indian songs and dances was presented by the department students and students of Russian Embassy School. On other days there was a Round table discussion: "Tolstoy-Gandhi: Interface in 21st Century", a poster-competition: "Non-violence on canvas" and a look-alike competition. The closing and prize distribution ceremony was held on the concluding day (22nd January, 2018) in the presence of Ms. Nana Mgeladze, Counsellor (Culture) Embassy of Russia in India, Mr. Annamalai, A., Director of National Gandhi Museum and teachers of the Department.

8th February, 2018- A quiz competition: "Druzba- Dosti" in collaboration with St. Stephens College, University of Delhi, comprising of questions based on 70 years of diplomatic relations between India and Russia was held in St. Stephen's College. Teams comprising of students from the Department, different colleges as well as the Russian Embassy School participated in the Quiz. The winning teams were conferred with prizes and certificates of participation were given to all.

9th February, 2018- Students of the Department participated in various competitions (Essay- "Russia through my eyes" Poster: "Russian Winter", Translation, Quiz, Olympiad, Dance and Song) organised by the Russian Centre of Science and Culture as a part of the Olympiad "Days of Russian Language, Literature and Culture-2018". The students won prizes in different categories and were awarded prizes and certificates.

15th February, 2018- An interactive session in collaboration with the Russian Embassy School, New Delhi. Four teachers - Mr. Yuri Moscherikov, Ms. Irina Nazmova, Mr. Oleg Manzyuk and Ms. Lyudmila Moiseeva from the Russian Embassy School, New Delhi conducted master classes and interactive sessions with the students of M.A. Russian on the topics: Sergei Esenin – Russian Poet of the Silver age Communicating in Russian

09th March, 2018- Azbuka, 2018: Annual Quiz Competition for the students of Russian Language. The students from the department as well colleges participated in the Quiz Competition. Student's teams were conferred with I, II and III prizes.

Several students are receiving JRF and SRF.

Students are regularly clearing the UGC/NET examination in Russian

Some students are availing of other scholarships namely the Rajiv Gandhi fellowship.

The following scholarships are available for the students of the Department:

UGC sponsored Bulgarian Scholarships under the CEP programme to participate in the summer seminars in Bulgaria.

A three-month merit scholarship for a Croatian language course in Croatia.

Merit scholarships to the students of Czech language offered by the Czech Government from time to time.

Merit scholarships offered by the Hungarian Government and Institutes from time to time.

Merit scholarships offered by the Polish Government for Polish Language Courses in different universities in Poland.

Besides these, there are Non-NET scholarships awarded by the University of Delhi to research scholars of the Department doing M.Phil or Ph.D.

URDU

Major Activities and Achievements

The teachers of the Department are actively engaged in research and publications work in different areas of Urdu Literature. A number of distinguished visitors, Professors and eminent personalities visited the Department to deliver the special lectures and interact with faculty members as well as the students of the Department.

Honours/ Distinctions

Prof. N.M.Kamal, A.G. Nassakh Award by West Bengal Urdu Academy, Kolkata.2017

Dr. Mohammad Kazim, Hum Sab Ghalib Award (National), Ghalib Institute, New Delhi, 2017

Dr. Mohammad Kazim, Bihar Urdu Academy Award, Government of Bihar, Patna, 2017

Dr. Mohammad Kazim, John Gilcrist Award (National), West Bengal Urdu Academy, Government of West Bengal, 2017

Publications (29)

Ara, A. (2017). Laash ki Numaish, *Tafheem*, 12, 140-144.

Ara, A. (2017). Arundhati Roy ka Novel Bepanah Shaadmaani ki Mumlikat, *Imroz*, 4, 102-15

Ara, A. (2017). Hurriyat Chowk ka Majun, *Aajkal*, Delhi, 76(01), 36-38.

Ara, A. (2017). Iraqi Adeeb Hasan Blasim aur Unki Kahaniyan, *Imroz*, 3, 82-103.

Ara, A. (2017). Khaab aur Khauf ki Hazaar Bhool-Bhulayyan I (by Afghan writer Atiq Rahimi), April-Hindi Quarterly Baya, Vol. 12:36, pp 105-112 and in April-June 2017, Khaab aur Khauf ki Hazaar Bhool-Bhulayyan-II (Hindi Quarterly Baya, 12(37), 87-111

Ara, A. (2018). Bepanah Shadmani ki Mumlikat (Urdu translation of Arundhati Roy's novel, The Ministry of Utmost happiness), *Aaj ki Kitab*, 466.

Idrisi, A.A. (2017). Iqbal ki bemissal shayerana Azmat, *Inquilab: Daily Newspaper*.

Kamal, N.M. (2017). Chapter in Intezar Husain: Hayat aur Fun. By Dr. Naim Anis, Kolkata. 2017

Kamal, N.M. (2017). Daghi hi Daghi, *Fikr-o-Tahreer*, Kolkatta, 66-93

Kamal, N.M. (2018). Bachchon Ka Adabaur Urdu kafarogh. In Ghazala Fatima (ed.), *Masoom Jazbon ki Jamaliyat*. Delhi.

Kamal, N.M. (2018). AhlulKahaf (Collection of Short Stories in Arabic translated By Qazi Ahmad, Egypt), *KitabiDunya*, Delhi.

- Kazim, M. (2017). *Intezar Hussain Ki Justujoo Kya Hai*, Intezar Hussain: Hayat-o-Fun compiled by Dr. Nayeem Anis, Published by West Bengal Urdu Academy, Government of West Bengal, Kolkata, pp 100-131.
- Kazim, M. (2017). Ishariya Urdu Science Mahnama, *Educational Publishing House*.
- Kazim, M. (2017). Ismat Chughtai Ke Dramey, *Urdu journal*, 286-288.
- Kazim, M. (2017). *Theatre: Parsi Ahad Ke Baad (Aik Tareekh Ki Safar)*, in the book entitled Urdu Ka aalami Tanazur (Urdu in Global Perspective) compiled by Prof. Khwaja Md. Ekramuddin, Published by Brown Book Publications pvt. Ltd. New Delhi, pp 90-126.
- Kazim, M. (2017). Urdu Dramey ka Safar Aur Ajkal, *Ajkal*, 21-23.
- Kazim, M. (2017). Watan Ka Qarz, Collection off stage plays by Rashid Nirauwa Razdan, Society for the promotion of Urdu, Mauritius
- Kazim, M. (2017). Drama Anarkali: Aik Mutalia, *Adab-o-saqafat*, 154-179.
- Kazim, M. (2017). Intezar Hussain Ki Khudnawish Sawaneh, *Half Yearly Hamari Aawaz*, 14(12), 64-78.
- Kazim, M. (2017). Parsi Ahad Ke Baad Urdu Theatre, *Urdu Adab-Anjuman Taraqqi Urdu*, 193-214.
- Kazim, M. (2017). Sir Syed Ahmad Khan Ke Makalme: Khutoot Ke Ainey Mein, *Fikr-o-Tahreer*, 95-99.
- Khan, I.A. (2017). Amir Khusro Hindostan Ki Tahzibi Aien Sazi Ka Bunyad Guzar, *Naya Daur*, 72, 7-10.
- Khan, I.A. (2017). Bihar me takhliqi nasr ek taassur, bihar-o-jharkhand me Urdu afshana, by Dr. Qayam Nayyar, 515-516.
- Khan, I.A. (2017). Shamim Nikhat Ki Afsana Nigari, *Sohail*, 5, 47-49.
- Khan, I.A. (2017). Sher ki fikr ko asad chahiye hai dilo dimagh, *Kitab numa*, 57, 22-25.
- Khan, I.A. (2017). Amir Khusro Ki Tarikhi Basirat, *Aiwan-E-Urdu*, 31, 26-30.
- Omair, S. (2017). Ye Izn-e-Aam Hai Koi Na Etaraf Kare. *Ajkal*.
- Omair, S. (2017). Urdu Afsane Mein Aurat ki Akkasi, *Urdu Journal*, 7(7-8).

Seminars Organised (12)

- Mr. Arif Naqvi from Germany on “Urdu in Europe” presided by Prof. Sagheer Afrahim, AMU, Aligarh-01.04.2017.
- Dr. M Sayeed Alam lecture on the topic “contemporary Urdu Drama” chaired by Prof Ibne Kanwal and moderated by Dr. Mohammad Kazim- 16.03.2017.
- Mr. Deepak Budki lecture on the topic “Young short story writers” Chaired by Prof. Ibne Kanwal and moderated by Dr. Abubakar Abbad- 07.04.2017.
- Dr. Afroz Taj (Professor of Urdu Language and Culture in USA) lecture on the topic “tradition of Urdu in USA” chaired by Prof. Ibne Kanwal and moderated by Dr. Mohammad Kazim- 23.06.2017.
- Prof. Mehtabs H Naqvi (AMU, Aligarh) lecture on “Modern Urdu Poetry” presided by Prof. M.A. Jouhar-26.09.2017 .
- Prof Shafiq Ashrafi lecture on “Research Methodology” presided by Prof. Aslam Jamshedpuri, C.C.U. Meerut- 29.08.2017.
- Prof. Ahmad Mahfooz (Jamia Millia Islamia) lecture on the Topic “Contemporary Poetry” Chaired by Prof. Ibne Kanwal and moderated by Dr. Najma Rehmani- 01.12.2017.
- Mr. Salam Bin Razzaq (Eminent Fiction Writer, Mumbai) extension Lecture on the topic “contemporary Fiction” by Chaired by Dr. Ali Javed and Moderated by Dr. Mohammad Kazim- 21.12.2017.
- Prof. S.M. Hashim (AMU, Aligarh) lecture on “Textual Critics” Presided by Prof. Ibne Kanwal-10.01.2018.
- Dr. Emel Silym (Turkey) lecture on “Urdu in Turkey” presided by Prof. Ekramuddin JNU-14.02.2018
- Prof. Q.M.A. Rahman (Egypt) lecture on the topic “Urdu in Arab countries” presided Prof. Abdul Haq and Prof. K Ekramuddin of JNU-21.03.2018.
- Mr. Rashid Nirawwa, (Playwright, Director, Actor & Senior officer in Ministry of Culture, Government of Mauritius); Dr. Nayeem Anis (Associate Professor, Calcutta Girls College, Kolkata)

panelists in the panel discussion on the topic “tradition of Urdu Drama in Mauritius” Chaired by Prof. Ibne Kanwal and moderated by Dr. Mohammad Kazim- 26.03.2018.

Seminar/Conference Presentations

- Kamal, N. M. (2017), “Urdu Marsiye me Razmnigar” at Jamia Millia Islamia Delhi on 23.4.2017
- Kamal, N. M. (2017), Presidential Lecture in a seminar on “Urdu ke Farogh mein Gher muslim adeebon ka Kirdar” at Noida on 14.4.2017
- Kamal, N. M. (2017), Presidential Lecture on “Importance of Education” at Ameer Global School, Delhi on 14.5.2017
- Kamal, N. M. (2017), Presidential Lecture on “Taleem Ki Ahmiyat” at Al-Azhar Hind University, Delhi on 20.5.2017
- Kamal, N. M. (2017), Presented a short story “MujrimKaun” at Delhi Urdu Academy on 21.5.2017
- Kamal, N. M. (2018), Presented a Lecture on “Adab e Atfal” at Ghalib Academy, Delhi on 30/6/2018
- Kamal, N. M. (2017), Delivered a Lecture on “Urdu Tahqeeq” at Kashmir University on 19.8.2017
- Kamal, N. M. (2017), Presidential Lecture on “DaaghaurMaasirShaura” at FatehpuriSchool, Delhi, on 27/8/2017
- Kamal, N. M. (2017), Delivered a Lecture on “Dastaanka Fan” at Jamia Millia Islamia, on 19.9.2017
- Kamal, N. M. (2017), “Sir Syed aurunkeahdki Nasr” at AMU Aligarh on 5.10.2017
- Kamal, N. M. (2017), “MushafikiShairi” at Z.H.D.College, Delhi on 11.11.2017
- Kamal, N. M. (2017), Presented a Lecture on “IqbalkiShairi” at Jamia Millia Islamia on 14.11.2017
- Kamal, N. M. (2018), Presented a Lecture on “Afsaneka Fan” at MANUU, Hyderabad on 12/2/2018
- Kamal, N. M. (2018), Presented a Lecture on “Hindustan mein Urdu Afsana” at M.J.I.Hind, Delhi on 5/5/2018
- Kamal, N. M. (2018), “GautamBudh in Urdu Literature” at Ghandhi Bhawan, DU on 30/4/2018
- Kamal, N. M. (2018), “Urdu Mein Novel Nigari” at Mumbai University on 7.2.2018
- Kazim, M., (2017), Jamiaat Mein Research Ke Masail Aur Uska Hal (key note address), at Two Day National Research Scholar Seminar on Jamiaat Mein Research Ke Masail Aur Hal, organised by Bihar Urdu Academy, Government of Bihar, 26th & 27th August 2017.
- Kazim, M., (2017), “Prof Lutfur Rahman Ki Tanqeedi Baseerat” at National Seminar on Professor Lutfur Rahman: Fan Aur Shakhshiyat, organised by Rahmani Foundation, Munger, Bihar, November 23, 2017.
- Kazim, M., (2017), Sir Syed Ahmad Khan Ke Khutoot, at a Three Day National Seminar on the occasion of Bi-Centenary celebration of Sir Syed Ahmad Khan, organised by Department of Urdu, Aligarh Muslim University, Aligarh, October 5-7, 2017.
- Kazim, M., (2017), “Median of Mass Communication and our society” & “Role of theater in our Society”, a series of Lectures in Orientation courses and Refresher courses for University & College teachers, organised by UGC – Human Resource Development Centre (Academic Staff College), B.P. S. Mahila Vishwavidyalaya, Sonapat, Haryana, 31 May 2017.
- Kazim, M., (2017), Research Methodology in Language & Literature, a series of Lectures in Refresher courses for University & College teachers, organised by UGC – HRDG (Academic Staff College), Gujrat University, Ahmadabad, Gujrat on 13th July 2017.
- Kazim, M., (2018), Shaista Yusuf Ke Sheri Jehaat, at a Two Day National Seminar on “Women’s Poetry in 20th Century: Socio, Cultural and Gender Dimensions”, organised by Department of Urdu, Maulana Azad National Urdu University, Hyderabad, March 5-6, 2018.
- Kazim, M., (2018), Ekiwein Sadimein Khudnawisht Sawaneh, at a Two Day National Seminar on “Auto biography: Art and Tradition”, organised by Lucknow Campus, Maulana Azad National Urdu University, March 13-14, 2018.
- Khan, I. A., (2017). Shamim Nikhat ki afsana nigari, Shua fatima trust, lucknow(national), 16-17 September, 2017.

Omair, S., (2017) “Kahkashan Tabassum Ka Sheri Imteyaz” in 3 day national women conference held on 23-25 September 2017, organised by Bihar Urdu Academy, Patna.

Omair, S., (2017). “Khwaja Ahmad Farooqui bi centenary” in one day national seminar on “Khwaja Ahmad Farooqui ke khotoot Gopi Chand Narang ke naam” held on 22 September 2017, organised by Sahitya Academy, Delhi.

Omair, S., (2017). “Popular of Urdu Language” in 3 day international conference on “Urdu Lok geet aur Khwateen” held on 8-10 September 2017 organised by Centre for Indian languages, JNU and Tasveer-e-Dard.

Omair, S., (2018) “Kaleemuddin Ahmad: Ek Bazyaft” in Two day national seminar held on 7 & 8 th February 2018, organised by Department of Urdu, PatnaUniversity.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.: 15

M.Phil: 18

Faculty Strength: 15

FACULTY OF COMMERCE AND BUSINESS COMMERCE

Major Activities and Achievements

The 6th Annual International Commerce Conference (AICC) was organised by the Department of Commerce, Delhi School of Economics, University of Delhi and co-hosted by Academy of Indian Marketing on the theme, ‘Digital Outreach and Future of Marketing Practices’ on January 11-12, 2018. The conference was inaugurated with the benign presence of Chief Guest, Shri Ravi Shankar Prasad, Hon’ble Minister of Electronics & Information Technology and Minister of Law & Justice; Guests of Honor, Prof. Yogesh K. Tyagi, Hon’ble Vice Chancellor, University of Delhi and Ms. Vinita Bali, Former CMD Britannia Industries Ltd.; Distinguished Guests, Prof Pami Dua, Chairperson, Research Council and Director, and Prof. Jagdish Sheth, Emory University Atlanta, USA and Founder-Chairman, Academy of Indian Marketing (Conference Co-Chair); Prof Kavita Sharma, Head, Department of Commerce, Delhi School of Economics, and Dean, Faculty of Commerce and Business (Conference Chair).

A workshop on “Advances in Research Methods” was organised from 11th -12th April, 2017 by the Department of Commerce, Delhi School of Economics, University of Delhi. The workshop provided a platform to participants and academicians alike for sharing and learning the vast knowledge base of research. Prof. Pami Dua, Dear Research Council, University of Delhi, and Dr. Gipson Varghese from NSDC were the distinguished guests and Prof. Suraksha Gupta from New Castle University, UK was the eminent resource person.

Seminar on “Goods and Services Tax (GST): The Road Ahead” was organised on 28th February, 2018 in collaboration with PHD Chamber of Commerce and Industry. The aim of the seminar was to acquaint the audience with the opportunities and challenges of GST, along with the impact of GST on different stakeholders. The eminent speakers of the seminar included Dr. S. P. Sharma, Chief Economic Advisor, PHD Chamber of Commerce and Industry (PHDCCI); Mr. Sanjay Aggarwal, Chairman, Industry Affairs Committee, PHDCCI and Chairman & CEO, Paramount Communications Ltd., Mr. Shishir Sinha, Business Editor, Business Hindu Line.

Student Development Cell conducted a two-day HR conference - SYMPOSIA ‘18 from 15th-16th September, 2018 which witnessed around 32 senior leaders from the industry discussing over trending HR related topics.

Research Scholars of Department of Commerce Digitized the Academic Resource Centre of the Department. They helped in area wise classification of Thesis, Term Papers and Synopsis. It was done under the Supervision of Head, Prof. Kavita Sharma.

The Third International Day of Yoga was celebrated on 21st June, 2017 by the Department of Commerce, University of Delhi, Delhi with great enthusiasm. The session started while following Common Yoga

Protocol including Prayer, Loosening practices, Yogasanas, Kapalbhathi, Pranayams, Dhyan, Sankalp, Shanti Path and Pledge.

Honours/Distinctions

Faculty

Prof. Kavita Sharma was invited as Session Chair for International Seminar organised by P.G. Department of Commerce, Utkal, University, Bhubaneswar, Odisha on March 8th-9th, 2018.

Prof. Kavita Sharma was invited as Distinguished Guest during two days National Conference on “Emerging Dimensions of Indian Business & Economy: Pace & Pattern” organised by the Department of Commerce, Sri Aurobindo College on Feb. 23rd, 2018.

Prof. V K Shrotriya received Best Research Paper Award for the paper titled “*Inter-relationship between Employee Well-Being dimensions: A Study of Select Organizations*” presented during 4th National Conference on *Contemporary Reforms in Management, Economy and Applied Business* organised by Sri Guru Gobind Singh College of Commerce, University of Delhi, Delhi on 9th -10th February, 2018.

Dr. Niti Bhasin was nominated as ‘Special Invitee/Member’ of the Economic Affairs Committee, 2017-18 of the PHD Chamber of Commerce and Industry.

Dr. Amit Singh received Best Research Paper Award for the paper titled “*Effect of growth in Entrepreneurial Activities on Economic Growth: Evidence from India*” presented during XIIIth International Conference on Business 2025: Driving Growth Through Strategic Innovation, Entrepreneurship and Digitization organised by Jagannath International Management School, PHD Chamber Kalkaji, New Delhi on 10th February, 2018.

Publications

National Publications

Bhasin, Niti & Gupta, Surbhi. (2017). Reforms in International Monetary Fund (IMF): Challenges and the Road Ahead. *Management and Economics Research Journal*, 3, 110-120.

Dangi, H.K, Kumar, S. and Malik, Anuradha (2017). A Case Study on Supply Chain Management in Aravind Eye Care System. Accepted for publication in *Journal of Commerce & Business Studies*.

Kanojia, S, Singh D, & Goswami, A. (2018). An empirical analysis of the factors influencing individual investors in the Indian Stock market, 20(3). Kanojia S & Mahajan S, (2017). Testing Weak Form Efficiency of Asian Markets: An Empirical Evaluation. *Pacific Business Review International*, 10(5).

Sharma, Kavita & Kaur, Parminder. (2018). A Study of Paradox of Franchisor Franchisee Relationship. *Business Analyst*, 39(1).

Sharma J P, Kanojia S. & Kapoor N. (2018). Stakeholder’s perspective on electronic initiatives In Corporate Governance. *IUP Journal of Corporate Governance*, 17(1), [ISSN: 0972-6853]

Sharma, Kavita & Aswal Chandini (2017). Green purchase intentions, collectivism and materialism: An empirical investigation. *The Delhi University Journal of Humanities & Social Sciences*, Vol.4.

Sharma, Kavita et.al. (2018). Revisiting Environmental Kuznet’s Curve: An empirical analysis of India and China carbon emission’, *Hermeneutics- A biannual refereed International Journal of Business and Social Studies*, 7(1), 1-5.

Shrotriya, V. K. & Kalra, H. (2018). Herding in capital markets: A systematic literature review. In Proceedings of National Conference on *Rethinking Management Education in Digital Age*. Feb 10, Faculty of Management Studies, University of Delhi, (pp.139-158), Delhi: New Delhi Publishers.

Shrotriya, V. K & Dhanda, U. (2018). Trends and directions of employee engagement: Perspectives from literature review. *Asian Journal of Management*, 9(1), 69-79.

Shrotriya, VK & Dhanda, Upasana. (2017). Content Validity of Assessment Instrument for Employee Engagement. In Proceedings of International Conference on *Research and Business Sustainability*. December (16-17), 637-643.

Tripathi Vanita et. al. (2017). The evolving efficiency of Indian stock market. In *Emerging Issues and Challenges in Finance*, (pp. 1-10). New Delhi: Galgotia Publishing Company.

International Publications

Bhasin, Niti & Garg, Shilpa. (2018). Does host country institutional quality act as a differentiator in intra-regional FDI? Evidence from selected Asian economies. *Foreign Trade Review*, 53(2), 81-97.

Bhasin, Niti and Aanchal Gupta. (2017). Macroeconomic Impact of FDI Inflows: An ARDL Approach for the Case of India. *Transnational Corporations Review*, 9(3), 150-168.

Sharma, Kavita. (2018). Sectoral Approach to Skills for Green Jobs in India. Chapter in *Changing the Indian Economy*. Elsevier Research Publications.

Shrotryia, V. K. & Krishna, Mazumdar (2017). History of Well-Being in South Asia. Chapter in *The Pursuit of Human Well-Being – The Untold Global History* (International Handbooks of Quality-of-Life) by RJ Estes & MJ Sirgy (eds.), Springer International Publishing Switzerland, pp349-38.

Shrotryia, V. K. (2017). Hungry People, Better Results - Unleash the Fire Within to Win Continually in Life by Deepak Malhotra, Bloomsbury, *Nice Journal of Business*, 12, 298.

Shrotryia, V. K. (2017). Effective People by TV Rao, Random House, India, *Nice Journal of Business*.

Tripathi, Vanita and Seth, Ritika. (2017). Exploring Market Efficiency Inter-Linkages and Volatility Transmission of Stock Markets across Vital Regions of the World. Chapter in *Financial System Reforms and Economic Growth-Issues and Challenges* by Pandey et. al. McGraw Hill Education (International Publisher) pp -147-170.

Tripathi, Vanita and Behl, Parul. (2017). Release of Company specific News and their corresponding impact on stock performance in book titled Digitization. *Entrepreneurship and Skilling –the future lies here*. Edited by Vaid et al. Bloomsbury Publications, pp. 331-346.

Books

Bhasin, Niti & Lama, Sameer. (January 2018). *GST and Customs Law*. Taxmann Publications.

Singh, Amit Kumar and Shrivastava, Rohit (2017). Assessment of IPOs performance on NSE during 2010-2015. In *Emerging Issues in Commerce and Business Management*. All Clear Publications.

Singh, Amit Kumar (2017). *Emerging issues and challenges in finance*. Galgotia Publishing Company, India.

Singh, Amit Kumar (2017). *Contemporary areas of management and finance*. Galgotia Publishing Company, India.

Journals Published by the Department

Journal of Commerce and Business Studies

Faculty Members Serving as Editor(s)/ Members of Editorial Board

Prof. Kavita Sharma, Member, Editorial Review Board of Qualitative Market Research-An International Journal by Emerald, ISSN:1352-2752

Prof. Kavita Sharma, Member, Editorial Board, Journal of Business Studies, ISSN (Print) 0975-0150

Prof. V K Shrotriya, REVIEWER - Journal of Organizational Effectiveness: People and Performance

Dr. Sunaina Kanojia, Member, Editorial Review Board of "Amity Journal of Corporate Governance (AJCG)", Amity University. ISSN: 2455-989X (Print); ISSN: 2456-1533 (Online).

Dr. Sunaina Kanojia, Member, Editorial Review Board of "Business Analyst", a Refereed Journal of Shri Ram College of Commerce. ISSN: 0973211X

Dr. Sunaina Kanojia, Member, Editorial Advisory Board, Envision, An International Journal of Commerce and Management, ISSN: 0973-5976

Dr. Sunaina Kanojia, Member, Editorial Board, "International Journal of Business Management and Environmental Sustainability". ISSN: 22492054

Dr. Amit Kumar Singh, Member of the Editorial Board of the International Journal "Research in Business Management", Macrothink Institute, Las Vegas, USA.

Dr. Amit Kumar Singh, Member of the Editorial Board of the "Journal of Business Studies", a Journal of Shaheed Bhagat Singh College, University of Delhi.

Research Projects

UGC, “A Study of competitiveness and Export Performance of Indian Processed Fruit and Vegetable Industry”, Prof. Madan Lal.

ICSSR, “An analysis of Trade, Economic Growth and Poverty in India”. Prof. Madan Lal.

Seminars/workshops/ special lectures Organised

Symposia, MBA (IB), an annual corporate conclave was organised on 8th September, 2018 by IISAC-MBA(IB) (Industry Interaction and Student Activity Committee), Department of Commerce, Delhi School of Economics. Spread across entire day with three sessions and a panel of experts from diverse backgrounds from industry and academia. It witnessed speakers including top management personnel from Coca Cola, Yamaha, Reliance and Snapdeal.

Satyawati college evening organised an inaugural cum orientation event in month of October and Prof. Kavita Sharma Inaugurated and Delivered the talk on the topic “Paradigm Shift in Marketing Variable”.

A seminar on “E-Marketing and Emerging Issues in Marketing” was organised on 22nd September, 2017 in Sri Guru Gobind Singh College of Commerce. Delegates from different colleges of Delhi University, IP University and business schools from Delhi, NCER participated.

Department of commerce Organised a special lecture on the Topic “An examination of business attitudes towards CSV in East Asia(Japan, Korea and China): What can this offer to India?” on 24th July 2017 in the Seminar Hall of the campus. Eminent speakers for the session wereby Dr. Rebecca Chunghee Kim (Professor and Deputy Director, Ritsumeikan Center for Asia Pacific Studies, Japan and Dr. Mohan V Avvari, Nottingham University Business School Malaysia.

Special Lectures Organised:

S. no	Date	Name of the Guest	Company	Topic
1	22-07-2017	Ms. Ritika Choudhary	IKEA Group	Induction Week
2	24-07-2017	Mr. Easwaran Jayaram	Casablanka Consulting	How the students can make the leap from college life to working life.
3	02-08-2017	Abhiram Mishra	Reliance Retail Ltd.	Retail in India
4	04-08-2017	Karan Raj Gulshan	Asian Development Bank	Induction Week
5	11-08-2017	Sagar Jain	The Economic Times	Most Valuable Lessons from B-School.
6	12-08-2017	Mr. Nilajan Mukherjee	Relaxo Footwears Ltd.	It's not about the shoes. It's about what you do in them.
8	24-08-2017	Anirudh	Microsoft	How is Artificial Intelligence transforming the Corporate World
9	04-09-2017	Pankaj Pandey	Vyapat Consulting	Entrepreneurship, Leadership and Motivation.
11	15-09-2017	Ruchika Gupta	Bacardi	The Case Of Challenger Brand
12	16-09-2017	Kamalika Deka	Domino's	Budding managers focusing on cracking HR round in placements
13	18-09-2017	Mr. Varun Seth	Kraftshala	Reverse Marketing
15	27-09-2017	Mr. Vivek Verma	Rio Tinto	Workforce HR Analytics

Conferences Organised

Synergy the Annual management fest of MBA (HRD & IB), 2018 a two-day management fest, with a plethora of events & competitions that encompassed various domains of management was organised from

15th- 16th February, 2018. It had activities like Launch Pad, Corporate Cracker, Quizzitch, Case-o-mania and some fun activities like IPL Bidding, Couch Potato etc.

The institute proudly hosted the 22nd Annual convention – ERUDITION’17 from 13th -14th October 2017. The theme was Innovative Solutions for Emerging Markets. Erudition provided a common platform to educationists, industrialists, entrepreneurs, financial gurus and students to share practical knowledge and put their insights on current on-goings in business globally.

Seminar/Conference Presentations

Prof. Kavita Sharma presented on the topic Personality Traits and Online Impulse Buying in 6th Annual International Commerce Conference 2018.

Prof. V.K Shrotriya served as Keynote Speaker in “National Conference on Innovation and Challenges in Indian Economy” at Maharaja Agrasen College, Vasundhara Enclave, Delhi, University of Delhi on 24th April 2017.

Prof. S.K Jain presented as Key Note Speaker on “Marketing Research” at the Faculty Development Programme on Marketing Research organised by Shyam Lal College (Eve), University of Delhi on August 21, 2017.

Dr. Shital Jhunjhunwala Co-presented a paper titled “Indian Investors disposition towards Shareholder Activism” at IMS, Ghaziabad on Feb 13, 2017.

Placement Details (Number and percentage of students placed)

MBA (IB) Formerly Known as MIB 2016-17 Batch, DOC, DU

Number and percentage of students placed: 37.80%

Number of Companies visited for campus recruitment: 31

MBA (HRD) Formerly Known as MHROD 2016-17 Batch, DOC, DU

Number and percentage of students placed: 29.70%

Number of Companies visited for campus recruitment: 36

Number of M.Phil/Ph.D. Degrees Awarded

Ph.D.: 17

M.Phil.: 11

Faculty Strength

Professors: 07

Associate Professors: 08

Assistant Professor: 01

Assistant Professor (Ad-hoc): 16

Other Significant Information

Special lecture by Kunal Kumud and Gautam Gopal from Talent Blazer on ‘Digital Marketing as Disruptive Innovation Tool’ was organised in October, 2017.

An Interactive session on the topic “An Examination Of Business Attitudes Towards CSV in East Asia” was undertaken by Dr. Rebecca Chunghee Kim, Professor And Deputy Director, Ritsumeikan Center For Asia Pacific Studies, Japan on 24th July, 2017.

Guest Lectures organised:

S.No	Date	Name of the guest	Company	Topic
1	17-10-2017	Ms. Kritika Prashant,	Mettle	The state of B2B Marketing and ways to market product market in a B2B set up
2	31-10-2017	Mr. Parimal Bhatnagar	Converge Design Solutions	Market Research: Data vs Experience
3	05-02-2018	Mr. Mohamed Abdelmeguid	Economist, London	Brand Building session
4	06-02-2018	Mr. Subroto Baul	South Asia Gap Inc	Aptitude for career in HR

5	16-03-2018	Mr. P.K Bidua	Ministry of Labour and Employment	The Contract Labour act and Wage Laws
6	21-03-2018	Ms. Mani Jain	Image Consultant	Soft skills training

Students celebrated Teachers Day on 5th September, 2017 to honour and express gratification to their teachers. The day was graced by the presence of Head of the Department, Prof. Kavita Sharma and faculty members who interacted with the students followed by a card distribution and cake cutting ceremony.

Orientation Programme was conducted for the new incoming batch of M.Com. MBA-IB and MBA-HRD in July 2017.

Orientation programme for M.Phil. Batch XLI and Ph.D. Batch of Feb, 2017 and August 2017 was held on 11th September 2017.

Academic Resource Centre of the Department. was digitized with the help of Research Scholars of Department of Commerce and area wise classification of Thesis, Term Papers and Synopsis was made.

Vigilance Awareness Week was celebrated from October 30, 2017 to November 4, 2017. A debate on the topic “Can India be Corrupt free Nation” was organised. A Diwali Celebration Event was organised by the ESAC Team before the Diwali Holidays. This event had a Diya Decoration Competition and Ethnic Wear Day.

Industrial visits to the Corporate Head Office of Wave Group, Noida and Factory of Vikas Publications Factory, Sahibabad (under S.Chand Group) were organised for the students.

FINANCIAL STUDIES

Major Activities and Achievements

Annual Convention

The Department of Financial Studies conducted its XXX Annual Convention on the theme: “Thrusts and Challenges in the Indian Financial Sector: The way forward’, on September 23, 2017 at Hotel Shangri-La, New Delhi. The Convention was inaugurated by Shri Vijay Goel, Minister of State for Parliamentary Affairs, Statistics & Programme Implementation and Mr. Anshul Jain, CMD, Cushman & Wakefield was Guest of Honour. Mr. Sebastien Chantelot, Director, Group ESC Pau, France was Special Guest.

Publications

Ahmad, W., & Sehgal, S. (2017). Business Cycle and Financial Cycle Interdependence and the Rising Role of China in SAARC. *Journal of Quantitative Economics*, 1-26.

Babbar, S., & Sehgal, S. (2018). Mutual Fund Characteristics and Investment Performance in India. *Management and Labour Studies*, 0258042X17745183.

Dawar, V., Arrawatia, R., Chaudhury, A., & Varma, A. (2018). Relative Valuation Methodologies: A Practical Perspective. *The Management Accountant Journal*, 53(2), 75-81.

Dutt, M., & Sehgal, S. (2018). Domestic and International Information Linkages between Gold Spot and Futures Markets: An Empirical Study for India. *Metamorphosis*, 0972622518761745.

Pandey, P., & Sehgal, S. (2018). Dynamic Currency Linkages and Their Determinants: An Empirical Study for East Asian Economic Community Region. *Emerging Markets Finance and Trade*, 54(7), 1538-1556.

Sehgal, S., & Babbar, S. (2017). Evaluating alternative performance benchmarks for Indian mutual fund industry. *Journal of Advances in Management Research*, 14(2), 222-250.

Sehgal, S., & Agrawal, T. J. (2017). Bank Risk Factors and Changing Risk Exposures in the Pre-and Post-financial Crisis Periods: An Empirical Study for India. *Management and Labour Studies*, 42(4), 356-378.

Sehgal, S., Mathur, S., Arora, M., & Gupta, L. (2018). Sovereign ratings: determinants and policy implications for India. *IIMB Management Review*.

Sehgal, S., Pandey, P., & Deisting, F. (2018). Time varying integration amongst the South Asian equity markets: An empirical study. *Cogent Economics & Finance*, 6(1), 1452328.

Sehgal, S., Pandey, P., & Diesting, F. (2017). Examining dynamic currency linkages amongst South Asian economies: An empirical study. *Research in International Business and Finance*, 42, 173-190.

Sehgal, S., Pandey, P., & Deisting, F. (2018). Stock market integration dynamics and its determinants in the East Asian Economic Community Region. *Journal of Quantitative Economics*, 16(2), 389-425.

Research Projects

Indian Council of Social Science Research (ICSSR), “*Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues*”, for two years, 2015-2017 Prof. Sanjay Sehgal.

Seminars Organised

Department of Financial Studies in association with Department of Humanities and Social Sciences, IIT Kanpur, organised a One-Day Research Seminar on “Financial Integration in the South Asian Region” under ICSSR Sponsored Research Project: “Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues” on April 1, 2017. The speakers at the seminar were: Prof Prabir De, Research and Information System for Developing Countries (RIS), New Delhi, Prof Sanjay Sehgal, Department of Financial Studies, University of Delhi, Prof Somesh K Mathur, Humanities and Social Sciences Department, IIT Kanpur, Dr. Sushil Kumar (RIS) and Prof. Shahid Ahmed (JamiaMiliaIslamia), Sarthak Agrawal and Tanya Sethi (SRCC, Economics Hons Students), Amrita Roy and Somesh K. Mathur (IIT Kanpur), Mr. Piyush Pandey and Ms. Sakshi Saini Department of Financial Studies, University of Delhi.

Seminar/Conference Presentations

Prof. Sanjay Sehgal

“Dynamic Currency Linkages and Their Determinants: An Empirical Study for East Asian Economic Community Region” with Piyush Pandey: Paper presented and chaired session at 24th Annual Conference of the Multinational Finance Society, Bucharest, Romania, June 25-28, 2017

“Examining Dynamic Interdependencies among Major Global Financial Markets” with Sakshi Saini and Florent Deisting: Paper presented at 13th Annual Conference on Economic Growth and Development, Indian Statistical Institute, Delhi, India, December 18 - 20, 2017

“Role of China in South Asian Financial Market Integration: An Empirical Study” with Piyush Pandey and Sakshi Saini: Paper presented at Fifth PAN IIM World Management Conference, IIM Lucknow, U.P., India, December 14 - 16, 2017

“Dynamics of Short and Long Term Debt Market Integration in the South Asian Economies” with Piyush Pandey and Sakshi Saini: Paper presented at India Finance Conference (IFC) 2017, IIM Bangalore, December 20-22, 2017

National/International MoUs signed

The Department has proposed signing MoUs with:

- i. The Bucharest University of Economic Studies, Romania
- ii. Strathclyde Business School, University of Strathclyde
- iii. University of Western Sydney, Australia
- iv. National Institute of Financial Management
- v. Finance Industry Development Council
- vi. Pike Learning Solutions

Placement Details (Number and percentage of students placed)

Number of Students placed - 31 (out of 31) = 100%

Number of companies visited for campus recruitment - 19

Number of M. Phil/Ph.D. Degrees Awarded

Ph.D. – 8

Faculty Strength

Permanent – Nine

FACULTY OF EDUCATION
DEPARTMENT OF EDUCATION

Major Activities and Achievements

Our first batches of the 2 year B Ed and M Ed programmes passed out in July, 2017. 89 students got their B.Ed. degree, 49 students got their M.Ed. degree. Likewise, 19 Scholars were awarded the M.Phil. degree in the course of the year and 12 scholars received their Ph.D. degrees in the University Convocation.

Under the aegis of the Institute of Advanced Studies scheme of the Dept. sponsored by the Ministry of Human Resource Development, our faculty organised national level conferences, seminars, symposia and workshops in which there was wide participation from students, scholars and academics from across the country. The themes included: Inclusive Pedagogy, Diversity, Art and Aesthetics, Issues in Plagiarism and citation in Research Writing, Language Education, Science Education, Mental Health, Comparative Education, Approaches to Educational Research, International Comparative Education, Teacher Education, Psychosocial Perspectives in Education and Films as a Pedagogic Tool. In addition, in-service teacher education workshops were conducted in Research Methods and Mathematics Education for DIET Educators and a workshop was organised for Mentor Teachers in Delhi Government Schools in Educational Management. The Department was also able to develop resource material in Foundations of Education and in some Pedagogic areas like Mathematics and Social Science Education for Elementary and Secondary Teacher Education Programmes for SCERT Delhi.

A very significant achievement has been the setting up of an Enabling Unit for students with disabilities. The aim of this unit is to facilitate the learning of students with disabilities. At present, we are addressing the needs of about 25 students, across courses and programmes of study. Besides assisting students in academics, the Unit also tries to generate awareness among youth and develop sensitivity towards issues related to persons with disabilities.

The Department stood **First** in the India Today Ratings of best institutions for studies in Education and also obtained a high rank in the NIRF ranking of Universities.

Our departmental website gives full details and information about all that we do. It is extremely user friendly and can also be accessed by visually challenged students. So anyone requiring more information about our programmes and activities can visit our website. Professor Avijit Pathak addressed the gathering at our Foundation Day. This year our website got a new web address <http://www.doe.du.ac.in> at par with other Departments of the University of Delhi to distinguish it from the colleges.

Honours / Distinctions

Lakhyani, S. (March, 2018). *Delhi city merit certificate for painting in Kalanand Art Contest 2018*, organised by Prafulla Dahanukar Art Foundation.

Publications

Batra, P. (2018). Imperatives of Comparative and International Education: Some Reflections from the South. In *Annual Review of Comparative and International Education 2017* (pp. 75-83). Emerald Publishing.

Chander, S. (2017). *Learning Teachers: Diversity, Inclusion and Ethics*. New Delhi: Kanishka Publications.

Chander, S. (2017). *Teaching Science to Learners with Visual Impairment*. Delhi: SR Publishing House, [ISBN: 9789382884330].

Chennat, S. & Lakhyani, S. (Eds.) (2018). *Redefining disability through arts*. Delhi, India, Global publications.

Chennat, S. & Lakhyani, S. (Eds.) (2018). *Redefining disability through arts*. Delhi, India. Global publications.

Chennat, S. (2017). Field Observation and Internship of Pre-Service Teacher Education Curriculum: Points for Reflection. *International Journal of Multidisciplinary Educational Research*. 6/8(3).

Chennat, S. (2017). Review of School Worlds: An Ethnographic Study by Ms. Anuradha Sharma. In *The Book Review*.

Gandhi, H. (2018). Understanding children's meanings of randomness in relation to random generators. In Batanero C., Chernoff E. (Eds). *Teaching and Learning Stochastics. Advances in Probability Education*. ICME 13 Monograph, 181-200, Cham: Springer.

- Gandhi, H., Dewan, H. & Ahuja, A. (2018) Searching for didactical negotiations in mathematics textbooks. *Voices of teachers and teacher educators*, NCERT. 6(2), NCERT: New Delhi
- Kanvaria, V.K. & Ashra, N. (2018). Educational Psychology: A Way-out for Innovative Teaching-learning. In S. Sangwan, M. Kumar & A.Kumar (Eds.), *Educational psychology: Laying horizon in teaching-learning process*. Meerut: Aman Publishing House.
- Kanvaria, V.K. & Gupta, N. (2017). Theatrical aesthetic activities in learning of mathematics. *Meethaq: International Journal of Humanities*, 2395132x, 3(2), 22-28
- Kanvaria, V.K. & Gupta, N. (2017). Turning schools smarter: The smart school way. In S.K. Panda (Ed.), *Creating beautiful school for learner*. Delhi: Ankur Book Distributors.
- Kanvaria, V.K. & Gupta, P. (2017). Edmodo, concept attainment and mathematics: Structuring a research. *Vidyawarta: International Multilingual Research Journal*. 19(7), 21-27.
- Kanvaria, V.K. & Gupta, P. (2017). Theoretical underpinnings for Edmodoing the teaching-learning. *Printing Area: International Research Journal*, 32(9), 15-20.
- Kanvaria, V.K. & Kukreja, D. (2018). Educational cyberspace: The prospects for higher education in India. In S.K. Panda (Ed.), *Higher education in India: Opportunities and challenges*. Delhi: Ankit Publications.
- Kanvaria, V.K. & Nagpal, B. (2017). Parental involvement in school: An overview. In S.K. Panda (Ed.), *Creating beautiful school for learner*. Delhi: Ankur Book Distributors.
- Kanvaria, V.K. & Nagpal, B. (2018). Education in 21st Century: Innovations and initiations in India. *AITEA International Journal of Education and Humanities*, 2231380X, 7(14), 16-22.
- Kanvaria, V.K. & Nagpal, B. (2018). MOOC: A tool for digitalization of teacher training programmes. In P. Kaul (Ed.), *Teacher education: Emerging perspectives* (15-27). New Delhi: Adhyayan Publishers & Distributors.
- Kanvaria, V.K. & Payal (2018). Learning with ICT: Use and barriers from teachers' perceptions. *International Journal of Recent Scientific Research*, 9(1). [ISSN: 09763031].
- Kanvaria, V.K. (2017). *A resource book on pedagogy of mathematics*. New Delhi: Scholar Publishing House.
- Kanvaria, V.K. (2017). Adhyapak-shiksha ke antargat dwivarsheey shiksha snaatak paathyakram ka swaroop aur prabhaav. *Pariprekshya*, 24(1), 47-64.
- Kanvaria, V.K. (2017). Professional development of teacher educators: ICT educational resources for learning, teaching and capacity building. In S.K. Panda (Ed.) *Preparing human teacher for diverse society*. Delhi: Saad Publications.
- Kanvaria, V.K. (2018). Challenges faced by teachers in an ICT equipped classroom. *International Journal of Innovative Studies in Sociology and Humanities*, 3(4), 1-4
- Kanvaria, V.K. (2018). Educational technology: Misconceptions among pre-service teachers and pre-service teacher educators. *Jamia Journal of Education: An International Biannual Publication*, 4(2), 67-76
- Kanvaria, V.K. (2018). Shiksha me takniki ki samajh evam naveen prayog. *Bhartiya Aadhunik Shiksha (NCERT)*.
- Kanvaria, V.K. (2018). Socially disadvantaged groups, education and role of ICT. *The Sociology Teacher*, 7(2), 28-37
- Kanvaria, V.K. (2018). Teaching for concept attainment in mathematics: Traditional methods versus using information and communication technology. *Staff and Educational Development International*.
- Kanvaria, V.K. (Ed.) (2018). *Academic writing, anti-plagiarism and citations*. Delhi: Shipra Publications.
- Kanvaria, V.K. (Ed.) (2018). *ICT for education: A few concepts and researches*. Delhi: New Delhi Publishers, 9789386453433
- Kumar, S. (2017). *Reader in Social Theory of Education*. Delhi: Research Media.
- Kumar, S. & Saxena, V. (2018). *Psychological and Sociological Perspective in Diversity and Inclusion*. Delhi: Kanishka Publication House.
- Kumar, S. (2017). *Bridging Home and School*. Delhi: Global Books Publication.
- Kumar, S. (2017). Naitik Evom Samvegatmak Vikas Mein Media Ki Bhumimka, *Adhunik Bhartiye Shiksha*, 5.

- Kumar, S. (2017). Saidhantik Pariprekshon se Khatra: Shodh ke vishesh Samdharbh mein adhyayan, *Vidyawarta*, 08, 153-156.
- Kumar, S. (2017). *Social Science and Pedagogy*. Delhi: Pearson.
- Kumar, S. (2018). *Psychosocial Perspectives in Education*. Delhi: Kanishka Publication House.
- Kumar, S. (Co-author) (2017). Play: It's Meaning and Significance in Childhood, *The Communications*, 25(2).
- Kumar, S., Kumar, L. & Gautam, K.A. (2017). *Teaching of Hindi*. Delhi: Pearson.
- Lakhyani, S. (2017). *Promoting expression through art education*. Delhi, India: Global publications.
- Lakhyani, S. (2018). Art, values and teacher education. In D. Parimala (Ed.), *Higher education in India: Challenges and possibilities*, (pp. 250 -255). Delhi, India: Kanishka.
- Lakhyani, S. (2018). Art: A process of creativity. In J. Chawla (Ed.), *Golden beads: Contemporary Indian art (2nd ed.)*, (pp. 292-293). Delhi, India: Wisdom Society of Creative Arts.
- Mao, A. K. & Raju, P.M. (2017). Death Anxiety among Urban Indian Graduate Students. *International Journal of Multidisciplinary Educational Research*. 6(12(5)), 290-304.
- Raju, P.M. (2017). Ethiopian Beginner Teachers' Commitment to Teaching Profession: Its Significant Antecedents. *International Journal of Multidisciplinary Educational Research*. 6(5(3)), 94-114.
- Raju, P.M. (2017). Teachers' Perceived Social Support and Commitment to Teaching Profession: An Exploratory Study. *International Journal of Multidisciplinary Educational Research*. 6(7(6)).
- Ray, R. & Raju, P.M. (2017). Attitude towards Euthanasia among Ethiopian health professionals and its relationship with their Death Anxiety. *International Journal of Multidisciplinary Educational Research*. 6(9(4)), 157-172.
- Saxena, V. (2017). Democratizing Teaching-Learning Spaces in Higher Education. *The Communications*, 25(1).
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 5: Including Children with Hearing Impairment. MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module5.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 1: Inclusive education, MHRD India UKaid World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module1.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 2: Including children with Autism. MHRD India UKaid World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module2.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 3: Including Children with Cerebral Palsy MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module3.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 4: Including Children with Deaf blindness MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module4.pdf>
- Saxena, V. (Co-Ed) (2018). *Psychological and Sociological Perspectives in Diversity and Inclusion: An anthology for Researchers and Practitioners*, Kanishka Publishers.
- Singh, P.K. & Gandhi, H. (2018). Establishing a community of participation in a primary mathematics classroom: An action research. In S. Ladage & S. Narvekar (Eds.), *Proceedings of epiSTEME 7 — International Conference to Review Research on Science, Technology and Mathematics Education*, (pp.314-322). India: Cinnamon Teal
- Singh, S & Raju, P.M. (2017). Voices of Senior Secondary School Teachers in Delhi about Continuous and Comprehensive Evaluation or Board Exam for Class-X. *International Journal of Multidisciplinary Educational Research*. 6(12(5)), 191-209.

Journals

Number of Department teachers serving as Editor(s) / Member(s) of Editorial Board: 39

Seminar Organised

Behari, A. (2018). Seminar on Environment: Its Antecedents, Assessment & Possibilities 17 February under the aegis IASE MHRD held at Department of Education, University of Delhi.

Gandhi, H. & Sharma, Y. (2018). Seminar on Reflecting on Teacher Education Programmes Scenario 8 & 9 March under the aegis IASE MHRD held at Department of Education, University of Delhi.

Narang, N. & Bala, R. (2018). National Seminar on Language, Literacy & Gender in the Contemporary Scenario on 2 February under the aegis IASE MHRD held at Department of Education, University of Delhi.

Rampal, A. (2018). Seminar on Education for Sustainable Development: Negotiating the Curriculum 30 January under the aegis of IASE MHRD held at Department of Education, University of Delhi.

Saxena, S. (2018). Seminar on Science Education under the aegis IASE MHRD held at Department of Education, University of Delhi.

Saxena, V. (2018). National Seminar (Under the aegis of IASE MHRD India) on Diversity Democracy and School, February 2-3 at Department of Education, University of Delhi

Conferences Organised

Chander, S. (2017). National Conference on Inclusion Issues Challenges and Possibilities being organised at Lady Irwin College. 10th - 11th October.

Chander, S. (2017). National Conference on Learning. Organised at Lady Irwin College. April.

Kanvaria, V.K. (Director) (2018). International conference on ICT for education, Sponsored by the IASE-MHRD, New Delhi, 27 January.

Kumar, S. (2017-2018). Conference / Workshop on Chapter 2: Exploring Psychosocial Perspectives in Education 30 December, 6 January & 10 March under the aegis IASE MHRD held at Department of Education, University of Delhi.

Sinha, S. (2018). Organised a two day National Conference on Writing in School: Processes, Practices, and the Writer. Funding obtained by IASE/MHRD (60000, and 2 lakhs from ONGC.

Seminar / Conference Presentations

Chennat, S. (2018). Invited as Speaker of a session on Gender Sensitivity in Teacher Education in International Seminar on Teacher Education: Social Concerns at Loka Manya Tilak Training College, Dabok, Udaipur, Rajasthan. 27th April.

Batra, P. (2017). Invited speaker at Seminar on *Teacher Education Curriculum: Sharing Experiences on Recent Reforms*, Azim Premji University, Bangalore. 6th November.

Gandhi, H. (2017). Chaired a session New Learning Environments, Including Spaces for Learning Instructions in 4th Annual Conference on Aligning Education Systems to the Challenges of the Future held at Shyama Prasad Mukherji College. University of Delhi. 8-10 November.

Kanvaria, V.K. (2017). Vidyalayi shikshak chayan: Maanakta ek mithak. Presentation given in the National Seminar on School Shiksha ke Badalte Paridrishya men Adhyapan-karm ki Rooprekha, AUD, Delhi and APU, Bengaluru. 25th May.

Kanvaria, V.K. (2017). Digitization of teaching-learning process. Presentation given in the International Conference on Role of Digitalization in Sustainable Development: A Global Perspective, MDU, Rohtak. 16th September.

Kanvaria, V.K. (2017). Perceiving ICT in science education through facilitators' eyes. Presentation given in the National Seminar on Science Education, RIE, Ajmer. 22nd November.

Kanvaria, V.K. (2017). Emerging challenges in education: A quest for better future. Presentation given in the National Seminar on Quality as a Goal of Education and Education as a Goal of Quality: A Thrust of MHRD, Amity University, Noida. 15th December.

- Kanvaria, V.K. (2017). Past, present and future of Indian policies: A technological retrospective. Presentation given in the National Seminar on Quality as a Goal of Education and Education as a Goal of Quality: A Thrust of MHRD, Amity University, Noida. 15th December.
- Kanvaria, V.K. (2018). ICT for evaluation in higher education and professional development. Presentation given in the International Conference on ICT for Education, DU, Delhi. 27th January.
- Kanvaria, V.K. (2018). Striving for sustainable excellence in education using technology: Past, present and future. Presentation given in the National Seminar on Transition in Teacher Education in Global Perspective: Rethinking, Redesigning and Revitalizing, AIE, Greater Noida. 24th February.
- Kumar, S. (2017). Inaugural Address: Knowledge Recognition and Research: A Fear from Theoretical Frameworks, at National Seminar on Inclusive and Qualitative Expansion of Higher Education in Haryana. 15th October.
- Kumar, S. (2017). Paper presented: Open Margins: Diversity among Homosexuals in Urban India, at International Conference on Urban Spaces and Gender: Exploring Gender, Marginalization and Equity in Urban Spaces in Asia Pacific, India Habitat Center at New Delhi. 1 -2 November.
- Kumar, S. (2017). Paper Presented: Grounded Theory: A Research Perspective, at Psychosocial Perspective in Education: An Exploration through Action Research and Grounded Theory Research, Department of Education, University of Delhi. 30th December.
- Kumar, S. (2018). Invited talk: Bridging Home-School at National Conference on Diversity, Democracy and School, Department of Education, University of Delhi. 2nd February.
- Lakhyani, S. (2017). Invited for the solo painting exhibition on *Celebrating Hope II* [Exhibition catalogue] at Nehru Centre London, under the aegis of ICCR, Cultural wing of High commission of India in London. 14-18 August.
- Lakhyani, S. (2017). Exhibition in group show *Sixteen: Group of contemporary of artists* [Exhibition catalogue] at Lalit Kala Academy, New Delhi, India. 10-16 December.
- Lakhyani, S. (/2017). Essayed Exhibition Catalogue: Essayed the exhibition *Sixteen: group of contemporary artists* [Exhibition catalogue] at Lalit Kala Academy, New Delhi, India. 10-16, December.
- Lakhyani, S. (2018). Exhibition in group show *All India Exhibition of Paintings and Sculptures by Contemporary Artists of India* [Exhibition catalogue] Artizen Art Gallery New Delhi, India: Wisdom Society of Creative Arts. 13-15 January.
- Lakhyani, S. (2017). Exhibition in the International Exhibition on Art organised by St. Petersburg Stieglitz Academy of Arts and Design, at St. Petersburg, Russia. 13 March- 7 April.
- Sinha, S. (2017). Bringing Research and Policy Together in Early Language and Literacy. (Panel Discussion). National Conference on Early Language and Literacy organised by Ambedkar University Delhi, and TISS Hyderabad.
- Sinha, S. (2018). Overview: Writing in the Indian Classroom. Paper presented in the National Conference on Writing in School: Processes, Practices, and the Writer. University of Delhi, Delhi.
- Sinha, S. & Kunwar, N. (2018). What are Children Writing: Analysis of Sixth Grade Paper presented in the National Conference on Writing in School: Processes, Practices, and the Writer. University of Delhi, Delhi. Notebooks.
- Saxena, V. (2017). Session Chair on Learner, Diversity and Culture at Third National Conference on Learning: Education and Culture at Lady Irwin College, University of Delhi 20th April.
- Singh, P.K. & Gandhi, H. (2017). Learning Repeating Patterns in the Backdrop of A Story- A Case Of Grade 2 Students. 4th Annual Conference on the theme "Aligning Education Systems to the Challenges of the Future held at Shyama Prasad Mukherji College. University of Delhi. 8-10 November.
- Singh P.K. & Gandhi, H. (2017). Storytelling as Conduit of Mathematics Learning: A Case of Grade 2 Children in 8th Annual International Conference of Comparative Education Society of India (CESI) on Criticality, Empathy and Welfare in Contemporary Educational Discourses at P.G. Department of Education, University of Jammu, Jammu. 16-18, November.
- Surya P. & Gandhi, H. (2017). An analysis of discourses of a typical middle grade mathematics classroom in the National Seminar on Mathematics Education, held in Shillong. 21-22, December

Singh P.K. & Gandhi, H. (2018). Establishing a community of participation in a primary mathematics classroom: An action research in the Seventh International Conference to Review Research on Science, Technology and Mathematics Education (episteme-07) held at Homi Bhabha Centre for Science Education, Mumbai. 5-8, January.

Number of Ph.D. / M.Phil. awarded

Ph.D.	:	12
M.Phil.	:	19

Faculty Strength

Professor	-	5
Associate Professor	-	8
Assistant Professor	-	26

Other Significant Information

The department has its own website <http://www.doe.du.ac.in> which is updated almost every day. The website is visually and hearing challenged-friendly and maintained by a highly dedicated team. It is highly enriched with the information bearing the titles Home, About Us, Faculty, Academics, Students, Scholars, Colloquium/Viva, Admissions, IQAC, Resources, CIE Staff, CIE Alumni Website, Honour Board, Infrastructure & Facilities, Useful University Links, Useful Web Links, Annual Report, Special Web Resources for Visually & Hearing Challenged, Anti-Ragging, Anti Smoking, SC/ST/OBC Grievance Cell, Students' Grievance Redressal and North East Student Grievance and Contact Us. The website is explored regularly by all the students, constituent colleges and faculty members. The department has a vigilant Anti-ragging cell as per UGC guidelines. The department also maintains a school attached with it, namely CIE Experimental Basic School which works under direct guidance and supervision of the departmental authority. The school has a very optimal teacher-student ratio especially as compared to other schools in Delhi.

FACULTY OF INTERDISCIPLINARY AND APPLIED SCIENCES

BIOCHEMISTRY

Major Activities and Achievements

The Department successfully completed the second year of the UGC-SAP programme in the area of development of molecular strategies to combat various human diseases and organised a symposium on this subject that included poster presentation, essay writing and quiz competitions. Several seminars by experts were organised in the department round the year. A live demonstration of *C. elegans* under microscope was organised and the reputed publisher Springer-Nature was invited to deliver seminar on publication opportunities for students and college teachers in a day-long symposium. The department organised an educational tour to IISER Mohali, IMTECH (Chandigarh) and Guru Nanak Dev University (Amritsar). The department celebrated Yoga Day inviting a yoga specialist for lecture followed by demonstration of yoga postures, where every member of the department spontaneously participated. The department launched a fully functional and highly informative website, the first of its kind in the department's history. For NAAC evaluation, the department successfully prepared self-assessment reports, brochure and comprehensive presentation and submitted all necessary documents. The revision of syllabus for Master's Biochemistry programme as per CBCS guidelines was initiated. Faculties were engaged in high-end research towards understanding and developing strategies to combat cancer, malaria, cardiovascular diseases, tuberculosis and leishmaniasis.

Publications

13 research papers were published during 2017-2018.

Chowdhury, K., Sharma, A., Kumar, S., Gunjan, G.K., Nag, A., and Mandal, C.C. (2017). Colocynthis Extracts Prevent Epithelial to Mesenchymal Transition and Stemness of Breast Cancer Cells. *Front Pharmacol*, 85-93. DOI:10.3389/fphar.2017.00593.

Gupta, A., Venkataraman, B., Vasudevan, M., and Gopinath, B.K. (2017). Co-expression network analysis of toxin-antitoxin loci in Mycobacterium tuberculosis reveals key modulators of cellular stress. *Science Report*. 7(1), 58-68.

John, R., Atri, Y., Chand, V., Jaiswal, N., Raj, K., and Nag, A. (2017). Cell cycle-dependent regulation of cytoglobin by Skp2. *FEBS Letters*. 591(21), 3507-3522.

- Kaur, S., Nag, A., Singh, A.K., and Sharma, K. (2018). PPAR γ -targeting potential for radioprotection. *Current Drug Targets*. DOI: 10.2174/1389450119666180131105158.
- Mukhi, N., Kundu, S., and Kaur, J. (2017). No dioxygenase- and peroxidase-like activity of *Arabidopsis* phytooglobin 3 and its role in *Sclerotinia sclerotiorum* defense. *Nitric Oxide*. 68, 150-162
- Nandi, D., Cheema, P.S., Jaiswal, N., and Nag, A. (2017). FoxM1: Repurposing an oncogene as a biomarker. *Seminars in Cancer Biology*. DOI:10.1016/j.semcancer.2017.08.009.
- Punchaichira, T.J., Dey, S.K, Mukhopadhyay, A., Kundu, S., and Thelma, B. K. (2017). Characterization of SNPs in the dopamine- β -hydroxylase gene providing new insights into its structure-function relationship. *Neurogenetics* 18, 155-168.
- Rohilla, A., Khare, G. and Tyagi, A.K. (2017). Virtual Screening, pharmacophore development and structure based similarity search to identify inhibitors against IdeR, a transcription factor of *Mycobacterium tuberculosis*. *Scientific Reports*. 7, 46-53
- Rohilla, A., Khare, G. and Tyagi, A.K. (2018). A combination of docking and cheminformatics approaches for the identification of inhibitors against 4'phosphopantetheinyl transferase of *Mycobacterium tuberculosis*. *RSC Advances*. 8(328).
- Shankar, A, Fernandes, J.L., Kaur, K, Sharma, M, Kundu, S. and Pandey, G.K. (2018). Rice phytooglobins regulate responses under low mineral nutrients and abiotic stresses in *Arabidopsis thaliana*. *Plant Cell Environ*. 41(1), 215-230. DOI: 10.1111/pce.13081. [I.F. 6.17].
- Sharma, B., Jamdar, S.N., Ghosh, B., Yadav, P., Kumar, A., Kundu, S.... Makde, R.D. (2017). Active site gate of M32 carboxypeptidases illuminated by crystal structure and molecular dynamics simulations. *Biochim Biophys Acta-Proteins and Proteomics*. 1865, 1406-1415.
- Singh, S., Khare, G., Kar, R., Ghosh, P.C. and Tyagi, A.K. (2018). Identification of *Mycobacterium tuberculosis* BioA inhibitors by using structure based virtual screening. *Drug, Design Development and Therapy* 12:1065
- Yadav, U., Arya, R., Kundu S. and Sundd, M. (2018). The 'recognition helix' of the type II Acyl Carrier Protein (ACP) utilizes an 'ubiquitin interacting motif (UIM)' like surface to bind its partners. *Biochemistry*. 2018 Jun 5. Doi: 10.1021/acs.biochem.8b00220. [Epub ahead of print]

Journals

Two teachers (Prof. Suman Kundu and Prof. Alo Nag) served as Editorial Board Members and one of them (Prof. Suman Kundu) is serving as Editor-in-Chief of Journal of Proteins and Proteomics (A journal of the Proteomics Society, India)

Research Projects

Four new projects were sanctioned in the department, which received a total grant of Rs.125.28 lakhs during 2017-18. Faculty members of the department received a total of Rs.30,83,914/- as UGC-SAP II department project during 2017-18.

CSIR, “Unraveling the Role of HPV16E7 Oncoprotein in Manipulating FoxM1 Activity via APC/C-Cdh1 Axis” June 2017-June 2020, Rs.32.75 lacs.

DBT, “Identification, design and characterization of peptides to disrupt hADA3-E6 interaction for HPV induced cervical cancer therapy” Jan 2018-Dec 2020, Professor Alo Nag, Rs.64.3 lacs.

DBT, “Screening Lead Molecules Identified by Structure-based Rational Drug Design Methods against Cytochrome b5 Reductase 3 and Dopamine Beta Hydroxylase in Spontaneously Hypertensive Rat Models for Antihypertensive Effects”, 22.06.2018 – 21.06.2021, Prof. Suman Kundu, 25.6 lakhs.

UGC-DAE Consortium for Scientific Research, , “Understanding the structure of *Leishmania* major Phosphopantetheinyl Transferase (Lmj PPTase) and its interaction with cognate ACP”, 01.04.2018 – 31-03-2019, Prof. Suman Kundu, Rs 2,63,400.

Patents Filed/Granted

National Patents - 03

Indian patent (ID 201711016131) entitled “Novel anti-malarial liposomal formulation” on February 15, 2018 (Inventors: Prahlad Chandra Ghosh, Alo Nag, Mohsin Raza, Aakriti Singal and Hina Bharti).

Provisional Indian Patent (ID 201711036983) entitled “Novel Anti-hypertensive Dopamine β -hydroxylase (DBH) Inhibitors” on October 18, 2017 (Inventors: Suman Kundu, B.K. Thelma, Pankaj Prabhakar, Sanjay Kumar Dey).

Provisional Indian Patent (ID 20181100589) entitled “A Novel Anti-hypertensive Cardio-protective Composition” on February 16, 2018 (Suman Kundu, B.K. Thelma, G. Kovuru, Pankaj Prabhakar, Sanjay Kumar Dey).

Seminars Organised

Total Number: **19 (Details of 10 outlined below)**

“Tiny Machines, Big Tasks”, Prof. Roop Mallik, Department of Biological Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai, 21st February 2018.

“Drug Development: From Design to Market”, Prof. Subir Kumar Maulik, Department of Pharmacology, AIIMS, New Delhi, 19th January 2018.

“Novel tumor suppressors identified from a genomic screen of pancreatic cancer regulate chromatin remodeling and epithelial cell apico-basal polarity”, Dr. Murali D. Bashyam, CDFD, Hyderabad, 17th November 2017.

“Post transcriptional repair of a split Hsp90 gene from *Giardia lamblia*”, Conference on “Strategies to Combat diverse Human Diseases” held at UDSC, New Delhi, Prof. Utpal Tatu, IISc, Bangalore, 13th November 2017.

“*Caenorhabditis elegans* as a powerful alternative model to study bacterial pathogenesis”, Conference on “Strategies to Combat diverse Human Diseases” held at UDSC, New Delhi, Prof. K. Balamurugan, Alagappa University, Tamil Nadu, 13th November 2017.

“Influenza virus capsid disassembly: how a hard nut cracks itself for its genome release during cellular entry”, Dr. Indranil Banerjee, Department of Biological Sciences, IISER, Mohali, 11th November 2017.

“Mitochondrial Defects in Parkinson’s Disease”, Dr. Manoj Kumar, Johns Hopkins University, School of Medicine, Baltimore, Maryland, USA, 10th October 2017.

“HIV Biology, Pathogenesis and Gene Therapy”, Dr. Akhil C. Banerjee, NII, New Delhi, Dr. Yellapragada Subba Row Memorial Lecture 2017 (Hosted by Department of Biochemistry, UDSC), 28th July, 2017.

“Insights from imaging the implanting embryo and the uterine environment in three dimensions”, Dr. Ripa Arora, College of Human Medicine, Michigan State University, USA, 1st August 2017.

Conferences Organised

Symposium on “Strategies for insight, detection and intervention of human diseases” held on 7th March, 2018 funded by UGC through SAP programme.

Symposium on “Strategies to Combat Diverse Human Diseases”, held on 13th November, 2017, funded by DU-DST Purse Grant

Seminar/Conference Presentations

Invited talk by Prof. Alo Nag “*Revealing the Oncogenic Tricks of HPV – Way to New Therapies*” in the workshop – Molecular Techniques in Cancer Research organised by National Institute of Cancer Prevention and Research, Noida, UP on April 20, 2017.

Invited talk by Prof. Alo Nag “*Hacking the viral tricks to treat Cervical cancer*” in the 7th International Conference on Translational Cancer Research on “Cancer Prevention and Treatment: From Ancient Medicine to Modern Medicine”, from February 8-11, at Chennai, India.

Invited talk by Prof. Alo Nag “*Understanding the complexities of HPV oncogenesis to devise new treatment strategies*” in the 11th symposium on ‘Frontiers in Biomedical Research’. Theme: *Challenges In Human Health: Prevention, Diagnosis and Cure* from 19-21 February, 2018, ACBR, Delhi University, India.

Invited talk by Prof. Alo Nag “*Cell cycle dependent regulation of tumour suppressor Cytoglobin by Skp2*” in the 11th symposium on ‘Cancer Prevention and Treatment’ from 9-10 February, 2018, JNU, India.

Invited talk by Prof. Alo Nag “*Novel ways of perturbing oncogenic interactions for cancer therapy*” in the International Conference on "Cell Death in Cancer and Toxicology" from 20-22 February, 2018, CSIR-IITR, Lucknow, India.

Poster presentation: Yama Atri, Rince John and Alo Nag, 2017, Third best poster presentation award in Women Ph.D. category. Role of Skp2-Cytoglobin Axis in Cell Cycle Control. 86th Annual Conference of Society of Biological Chemists on 'Emerging Discoveries in Health and Agricultural Sciences', 16th-19th November, JNU, New Delhi.

Poster presentation: Simran Kaur, Anshoo Gautam, Alo Nag and Kulbhushan Sharma, 2017, Best poster award (First prize) in Women Ph.D. category. The Protective Role of Immunomodulatory Cytokines against Lethal Dose of Radiation *in vitro* and *in vivo*. 86th Annual Conference of Society of Biological Chemists on 'Emerging Discoveries in Health and Agricultural Sciences', 16th-19th November, 2017, JNU, New Delhi, India.

Hina Bharti, Aakriti Singal, Mohsin Raza, Prahlad C. Ghosh and Alo Nag. (2017). Biochemical and Biophysical Portraying of *Plasmodium* Cardinal Deubiquitinase: Pfuchl3at 86th Annual Conference of Society of Biological Chemists on "Emerging Discoveries in Health and Agricultural Sciences" held on 16-19 November 2017 at JNU, New Delhi, India.

Poster presentation: Pradeep Singh Cheema, Deeptashree Nandi, Neha Jaiswal, Sanjay Dey, Suman Kundu and Alo Nag. (2017). Discovery of Novel Inhibitors Against FoxM1 as Promising Anti-cancer Therapeutics at 86th Annual Conference of Society of Biological Chemists on "Emerging Discoveries in Health and Agricultural Sciences" held on 16-19 November 2017 at JNU, New Delhi, India.

Invited as resource person, XXVI Quality Improvement Programme for teachers of AICTE (AICTE approved), DIPsAR, Push Vihar-Saket, 12th March to 16th March, 2018 (talk on 16th March, 2018)., Title of Talk – “Drug Discovery: A Humble Initiative”

Review & Dissemination Meet, May Measurement Month (MMM2017), organised by Public Health Foundation of India (PHFI), International Society of Hypertension and World Hypertension League at India International Centre. Invited as Resource Person for Hypertension Campaign and Speaker, March 15th, 2018

“Structure-based Drug Discovery to Combat Cardiovascular Diseases”, as Invited Speaker in the session “Drugs : Discovery, Delivery and Challenges” in National Conference on Diseases and Drugs: Emerging Trends and Challenges, 31st Jan-1st Feb, 2018, Zakir Hussain Delhi College, University of Delhi (talk on 1st Feb, 2018).

“The Charm of Biochemistry: Scope, Applications and Research Prospects” as Invited Speaker in Shaheed Rajguru College for Women, Delhi University, Feb 2, 2018

“Potential anti-hypertensives identified by structure-based methods – synthetic molecules and plant extracts”, as Invited speaker in the session “Newer aspects of CVD” in Annual Meeting and International conference on “Heart Failure: An update on Advances in Research and Treatment” by International Society of Heart Research – Indian Section (ISHR 2018), 16th-18th February, 2018 in Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India (talk on 18th Feb, 2018)

“Structure-based Drug Discovery to Combat Cardiovascular Diseases” as Invited Speaker in Daulat Ram College, Delhi University Feb 20, 2018

“Promising Tale of Structure-Based Drug Discovery: Dopamine Beta Hydroxylase as a Target to Combat Hypertension”, as Lead Speaker of the session in 86th Conference of Society of Biological Chemists “Emerging Discoveries in Health and Agricultural Sciences”, 16th-19th November, 2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India (talk on 18th Nov, 2017).

Invited Talk, “Towards New Drugs for High Blood Pressure and Cardiac Hypertrophy: An Heartening Initiative”, in Biosparks 2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi, March 31, 2017.

Invited Talk, “Engineering Unprecedented Heme Stability in Hemoglobins to Facilitate Use of Artificial Blood Substitutes”, in National Symposium cum Bioinformatics Workshop on Current Trends in Proteomics and Bioinformatics, Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh, March 16, 2017

Invited Talk, “From a Chemical Reaction to Media Reaction: A Protein Driven Journey”, Key Note Talk, Current Trends in Protein Chemistry, Amity University, Gurgaon, March 2, 2017.

Invited Talk, “Towards New Drugs for High Blood Pressure and Cardiac Hypertrophy: An Heartening Initiative”, in National Science Day Symposium, Feb 27-28, 2017, S.P. Jain Centre Auditorium, University of Delhi South Campus, New Delhi 110021 (talk on Feb 27th, 2017)

Other Inter-Institutional Collaboration

Prof. Alo Nag is collaborating with Dr. Mausumi Bharadwaj, National Institute of Cancer Prevention and Research, Noida, UP on Host and Viral gene interaction and their regulation during development of Cervical cancer and identification of pre-diagnostic markers of Cervical cancer (2016-2020).

Prof. Alo Nag has been collaborating with Dr. Kulbhushan Sharma, Institute of Nuclear Medicine and Allied Sciences, Delhi on Radioprotective role of immunomodulatory cytokines (2015-2018).

Prof. Alo Nag has collaboration with Dr. Chandi Mandal, Central University of Rajasthan, Rajasthan on Malignant and Stemness properties of Breast cancer cells (2016-2019).

Prof. Alo Nag has initiated collaboration with Dr. Ellora Sen, National Brain Research Centre for Deciphering the role of FoxM1 in Glioblastoma (GBM) tumorigenesis (2017-2019).

Prof. Alo Nag has a collaborative project with Dr. Ravindra Varma Polisetty, Sri Venkateshwara College, New Delhi on Deciphering the tumor suppressor function of miRNA in glioblastoma (2016-2019).

Placement Details (Number and percentage of students placed)

12 M.Sc. students and 5 Ph.D. students (100%) opted for higher education (Ph.D., B.Ed., Post-doctorate etc.)

Extension and Outreach Activities

May Measurement Month (May 2017). Blood pressure of ~3600 individuals measured for free in several locations in Delhi including both North and South Campus, along with counselling and advice for maintenance of normal blood pressure. About 15 students from the department participated in the campaign.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 02

M.Phil. : 01

Faculty Strength:

Permanent: 05

Other Significant Information

Prof. D.P. Sarkar was appointed as the Director, IISER Mohali.

Prof. P. C. Ghosh superannuated after 30 years of glorious service to the department.

BIOPHYSICS

Major Activities and Achievements

Prof. Subhendu Ghosh is working on Membrane Biophysics, in particular, ion channels and neuro-biophysics. The experiments involve electro-physiological methods, e.g. single-channel recording, patch-clamp. A special emphasis is given on learning, memory (cognition) and mathematical & computational neuroscience. Dr. Manisha Goel (Assistant Professor) works on crystallographic structure determination and Bioinformatics. Her laboratory has recently solved several structures of bacterial Gamma-glutamyltranspeptidase in complex with various known inhibitors and several other proteins like Arf from *Chlamydomonas*. Dr. Manish Kumar's lab is interested in understanding the principles governing protein sequence-structure-function correlation, genome annotation and evolution of antibiotic resistance in microbes.

Publications

A total of 6 research papers/ book chapter were published during 2017-2018 by the faculty of the Department. List of publications is as follows:

Garg, A., Kumari, B., Kumar, R. and Kumar, M. (2017) miPepBase: A database of experimentally verified peptides involved in molecular mimicry. *Frontiers in Microbiology, section Microbial Immunology*, 8, 20-53. Doi: 10.3389/fmicb.2017.02053.

Kaushik V., Verma V. V., and Goel, M. (2017). Functional divergence and comparative in-silico study of Cas4 proteins of DUF83 class. *J Mol Recognit*. 31 (5), 26-94. doi:10.1002/jmr.2694. Epub 2017 Dec 15

Kumar, R., Kumari, B. and Kumar, M. (2017). Proteome-wide prediction and annotation of mitochondrial and sub-mitochondrial proteins by incorporating domain information. *Mitochondrion*, pii: S1567-7249 (17) 30032-6. Doi: 10.1016/j.mito.2017.10.004.

Sharma A, Rani S, Goel M. (2017). Navigating the structure-function-evolutionary relationship of CsaA chaperone in archaea. *Crit Rev Microbiol*. 44 (3), 274-289. Doi: 10.1080/1040841X.2017. 1357535. Epub 2017 Sep 15.

Srivastava, A. and Kumar, M. (2018). Prediction of Zinc Binding Sites in Proteins using Sequence Derived Information. *Journal of Biomolecular Structure & Dynamics*, Jan 15, 1-11. Doi: 10.1080/07391102.2017.1417910.

Ghosh, S. (2017). Biophysical Chemistry. In H.K. Das (Ed.), Textbook of Biotechnology, (5th Ed.), (131-148). Wiley.

Research Projects

ICMR, *Exploring the role of Hsp70 (DnaK, DnaJ, & GrpE) in protein folding diseases: using archaea as model system*, 01-July-2017 to 30-June-2020, Dr. Manisha Goel, ~ 50 lakhs.

Seminars Organised

Prof. Tyll Krueger, Institute of Computer Engineering, Control & Robotics, Wroclaw University of Science & Technology, Poland, Models of Tumour Growth & Metastasis Formation, 20th February, 2018.

Prof. Vladimir Ubersky: Department of Molecular Medicine, University of South Florida, Tampa, Florida USA. Unusual Biophysics and Strange Biology of Intrinsic Disorder, 13th December 2017.

Biophysics Colloquium takes place twice in a month, where researchers (students/ post-doctoral fellows/ faculty members) of the department present talks. This program started from December, 2017.

Seminar/Conference Presentations

“How Repeated Signals help Learning a Pattern: The Neural Mechanism” at Frontiers of Research in Speech & Music, NIT Rourkela, 15-16 December, 2017 by Prof. Subhnedu Ghosh

Prof. Subhendu Ghosh Chaired a session in Music Cognition Symposium (India-Finland), IIIT Hyderabad, 24-25 March, 2018.

Other Inter Institutional Collaboration

Prof. Subhendu Ghosh has collaboration with IIT Bombay (Dept. of Bioscience & Bioengineering), IIT Madras (Dept. of Biotechnology), IIT Delhi (School of Biological Sciences).

M. Phil./ Ph. D. Awarded

M.Phil. awarded : 1

Ph.D. awarded : 1

Faculty Strength

Permanent : 3

Other Significant Information

Prof. Subhendu Ghosh visited Technical University of Dresden as a Visiting Research Scientist during October 25 to November 3, 2017.

ELECTRONIC SCIENCE

Major activities and achievements

The Department runs two PG courses namely, M.Tech. in Microwave Electronics and M.Sc. in Electronics. Besides these courses, the faculty members are actively engaged in research as well as supervision of research leading to the Ph.D. degree in the field of optical electronics, semiconductors, microwaves and microelectronics. This year, the department has 43 publications in reputed journals and 20 conference presentations. In this year, 54 PG students are passed and 4 Ph.D. degrees are awarded. 47% M.Tech. and 25% M.Sc. passed students are placed and 11% students joined for higher studies. Prof. Enakshi K. Sharma was visited Arctic University of Norway at Tromso, Norway, 26-30 June 2017. Prof. Mridula Gupta received IEEE EDS best Chapter of the year award in 2017. Annual visitors programme and Alumni meet are organised on 24 March, 2018. Students of M.Tech. and M.Sc. went an educational trip to DEAL and IRDE, Dehradun.

Publications

Kohli, N., Sharma, E. K., and Rahman, B. M. A. (2017). Improved design for SOI based evanescently coupled multilayer spot-size converter. *Journal of Optical and Quantum Electronics*. 49(229), 01-16.

Baliyan, A., Usha, S. P., Gupta, B. D., Gupta, R., and Sharma, E. K. (2017). Localized surface plasmon resonance-based fiber-optic sensor for the detection of triacylglycerides using silver nanoparticles. *Journal of biomedical optics*. 22(10), 01-09.

Sharma, U., Kumar, M., Sharma, R., Saha, T., Jain, K. K., Dutta, S., and Sharma, E.K. (2017). Fabrication process induced changes in scattering parameters of meander type RFMEMS shunt switch. *Microsystem Technologies*. 23(12), 5561-5570.

Sital, S., and Sharma, E. K. (2017). Surface Plasmon Modes of Dielectric-Metal-Dielectric Waveguides and Applications. *IOSR Journal of Electronics and Communication Engineering*. 12, 08-19.

Soni N., Singh, N., Kapoor, A., and Sharma, E. K. (2018). Low-Resolution Image Recognition Using Cloud Hopfield Neural Network. *Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing*. 563, 39-46.

Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) p-n-i-n TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Analytical Model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 64(4), 1742-1750. DOI:10.1109/TED.2017.2668520.

Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) pnin TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.

Kumar, M., Halder, Gupta, S., Mridula, and Gupta, R. S. (2017). Ambipolarity Reduction in DMG Asymmetric Vacuum Dielectric Schottky Barrier GAA MOSFET to Improve Hot Carrier Reliability. *Superlattices and Microstructures*. 111, 10-22.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Modeling and Simulation Investigation of Sensitivity of Symmetric Split Gate Junctionless FET for Biosensing Application. *IEEE Sensor Journal*. 17(15), 4853-4861.

Dubey, A., Narang, A., Saxena, R., Gupta, M., and Mridula. (2018). Modeling and Simulation of Junctionless Double Gate Radiation sensitive FET (RADFET) Dosimeter. *IEEE Transaction on Nanotechnology*. 17(1), 49-55.

Kumar, M., Halder, Gupta, S., Mridula, and Gupta, R. S. (2017). Cylindrical Gate All Around Schottky Barrier MOSFET with Insulated Shallow Extensions at Source/Drain for Removal of Ambipolarity: A Novel Approach. *Journal of Semiconductors*. 38(12).

Pratap, Y., Kumar, M., Kabra, S., Halder, Gupta, S., Mridula and Gupta, R. S. (2017). Analytical Modeling of Gate around Junction Less transistor based biosensors for detection of neutral bio-molecule species. *Journal of Computational Electronics*. pp. 1-9.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Modeling of Gate Underlap Junctionless Double Gate MOSFET as Biosensor. *Material Science and Semiconductor Processing*. 71, 240-251

Sachin, Kumari, Vandana, Singh, Sanjeev, Saxena, Manoj Gupta and Mridula. (2018). Reconnoiter the leavening of Skin deep Insulated Extension on Analog Performance of Ring FET (SDIE-RingFET). *AEU-International Journal of Electronics and Communication*, 83, 67-72.

Trivedi, N., Kumar, M., Haldar, S., Deswal, S. S., Gupta, M. and Gupta R. S. (2017). Charge Plasma technique based doping less accumulation Mode Junction Less Cylindrical Surrounding Gate MOSFET: analog Performance Improvement. *Applied Physics A*. 123, 564.

Kumari, V., Kumar, A., Saxena, M., and Gupta, M. (2018). Empirical Model for Non-Uniformly Doped Symmetric Double Gate Junction less (NU-DG-JLT) Transistor. *IEEE Trans. on Electron Device*. 65(1), 314-321.

Kumari, V., Kumar, A., Saxena, M., and Gupta, M. (2018). Study of Gaussian Doped Double Gate Junction Less (GD-DG-JL) Transistor Including Source Drain Depletion Length: Model for Sub-threshold Behaviour. *Superlattices and Microstructure*. 113, 57-70.

Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) p-n-i-n TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Analytical model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 64(4), 1742-1750, DOI: 10.1109/TED.2017.2668520.

Maddaka, R., Park, B., Kim, M. D., Peta, K. R., Chinh, N. D., Kim, D., ... G. Murali. (2018). H₂, H₂S gas sensing properties of rGO/GaN nanorods at room temperature: Effect of UV illumination. *Sensors and Actuators B*, 264, 353-362.

Chandrakalavathi, T., Peta, K. R., R., and Jeyalakshmi. (2018). Enhanced UV photoresponse with Au nanoparticles incorporated rGO/Si heterostructure. *Materials Research Express*. 5, 025011.

Peta, K. R. and Kim, M. D. (2018). Leakage Current Transport Mechanism under Reverse Bias in Au/Ni/GaN Schottky Barrier Diode. *Superlattices and Microstructures*. 113, 678-683.

Kumari, R., Singh, F., Yadav, B. S., Kotnala, R. K., Peta, K. R., Tyagi, P. K., ... Puri, N. K. (2017). Ion irradiation-induced, localized sp² to sp³ hybridized carbon transformation in walls of multiwalled carbon nanotubes. *Nuclear Inst. And Methods in Physics Research B*. 412, 115-122.

Singh, J., Prasad, N., Peta, K.R., and Bhatnagar, P.K. (2017). The role of multilayer graphene in the improved electrical and optical characteristics of a P3HT-based photovoltaic device. *Materials Research Express*. 4, 085-101.

Mehta, H. and Kaur, H. (2018). Impact of Gaussian Doping Profile and Negative Capacitance Effect on Double Gate Junctionless Transistors (DGJLT). *IEEE Trans. Electron Devices*. DOI: 10.1109/TED.2018.2832843.

Bansal, M. and Kaur, H. (2018). Impact of negative capacitance effect on Germanium Double Gate pFET for enhanced immunity to interface trap charges. *Superlattices and Microstructures*. 117, 189-199. DOI: 10.1016/j.spmi.2018.03.001.

Sharma, P. Singh, S. P., and Patel, K. (2017). Attenuation characteristics of monolayer graphene by Pi- and T-networks modeling of multilayer microstrip line. *Journal of Semiconductors*. 38, 093003.

Patel, K. and Sharma, P. (2018). Application of RLGC modeling in probing the electrical properties of monolayer graphene at microwave frequencies. *Journal of Electromagnetic Waves and Applications*. 1422441.

Singh, P., Neha, and Patel, K. (2018). Investigating the effects of graphene-based superstrate on characteristic of microwave filters. *Journal of Electromagnetic Waves and Applications*. 1429952.

Rajput, A., Patel, K. and Birwal, A. (2018). Compact microstrip low pass filter design using U-shaped folded high-impedance line. *Microw Opt Technol Lett*. 60, 1812–1815.

Patel, K. and Tyagi, P. K. (2018). Dielectric and absorption properties of as-grown Bilayer and Single layer graphene at the microwave frequencies. *Materials today: proceedings*. 5, 15261-15266

Sharma V. K., Madaan D., and Kapoor, A. (2017). Extremely Short Length and High Extinction Ratio Plasmonic TE Mode Pass Polarizer. *IEEE Photonics Technology Letters*. 29 (7), 559-562.

Sharma S., Chaudhary S., and Kapoor, A. (2017) Structural and optical properties of thermally treated CdO thin films deposited on ITO coated glass substrates for photovoltaic applications. *Journal of Sol-Gel Science and Technology*, 1-7.

Shokeen P., Jain, V., Gupta, V., and Kapoor, A. (2017). Multilayer silver nanoparticles embedded in graded-index dielectric layers. *Optical Materials* 66, 29-34.

Shokeen P., Jain A., Kapoor, A. (2017). Plasmonic ZnO/p-silicon heterojunction solar cell. *Optical Materials*. 67, 32-37.

Saini B., Adhikar S., Pal, S., and Kapoor, A. (2017). Polarization compensation at low p-GaN doping density in InGaN/GaN pin solar cells: Effect of InGaN interlayers. *Superlattices and Microstructures*. 107, 127–135.

Saini R., Kumar M., Kumar, A., Bhatt, G., Khanna, M. K., and Kapoor A. (2017). Analysis of Silicon Clad Optical Waveguide for High Extinction Ratio TE/TM Pass Polarizers using Resonant Coupling between Guided Modes and Lossy Modes. *ISOR Journal of Electrical and Electronics Engineering*. 59-64.

Kumar A., Rakesh, Kumar M, Bhatt G., M. K., Kapoor A. (2017). Spectral interrogation of ZnO thin film for lossy mode resonance sensors. *Advance Science Letters*.

Chetna, Kumar, S., Garg, A., Chowdhuri, A., Dhingra, V., Chaudhary, S., and Kapoor, A. (2017). Zinc oxide doped graphene oxide films for gas sensing applications. *AIP Conference Proceedings*. 1728(1), 020579.

Sharma S., Kashyap J., Gupta, S., Natasha, and Kapoor, A. (2017). Effect of aluminum and yttrium doping on zinc sulphide nanoparticles. *AIP Conference Proceedings*. 1728(1), 020697.

Madaan, D., Kaur, D., Sharma, V. K., and Kapoor, A. (2017) TE and TM pass integrated optic polarizers. *AIP Conference Proceedings*. 1728(1), 020209.

Madaan, D., Kaur, D., Sharma, V. K., and Kapoor, A. (2017). High angular sensitivity thin film tin oxide sensor. *AIP Conference Proceedings*. 1728(1), 020210

Journals

Number of Department teachers serving as Editor(s)/member(s) of Editorial Board: 2

(Prof. Avinashi Kapoor, Invertis Journal of Renewable Energy and Dr. Kamlesh Patel, MAPAN-Journal of Metrology Society of India)

Research Projects

S. No.	Funding Agency	Year/Period	Title	Amount Sanctioned
1	UGC	2015 - till date	Physics Based Modeling and Simulation of Channel Material Engineered Ring FET for Sensing Applications (Prof. Mridula Gupta: PI)	Rs.13.93 Lakh
2	CSIR	2017 - till date	Modeling and Simulation of Gate Electrode Engineered and Dielectric Pocket steep Sub-threshold Swing Device for Low Power Digital Circuit Design and Optical Applications (Prof. Mridula Gupta: PI)	Rs.25 Lakh

Seminar Organised

Open House Project Presentation organised by IEEE WIE-Delhi on April 29th2017 at Delhi University, South Campus (Prof. Mridula Gupta).

MiniColloquia organised by IEEE EDS-Delhi chapter On “Insights of Emerging Nanoscale Research Devices” on December 11, 2017 at Maharaja Agrasen Institute of Technology (Indraprastha University), Plot No. 1, Sector-22, PSP Area, Rohini, Delhi, 110086 (Prof. Mridula Gupta).

“Workshop on VLSI Current Trends Using Mentor Graphics & Xilinx” jointly organised by Department of Electronic Science University of Delhi South Campus and CoreEL TECHNOLOGIES (Technically sponsored by IEEE EDS Delhi Chapter) on 21-22 March, 2018 at University of Delhi South Campus (Dr. Harsupreet Kaur).

Seminar/Conference Presentations

Baliyan A., Dhingra N., Sharma E.K. (2017). Fiber between two concatenated long period gratings as an interferometric sensor: analysis and optimization. Workshop on Recent Advances in Photonics, Mahindra EcoleCentrale, Hyderabad, India.

Dhingra N., Anand J., Saxena G.J., Sharma E.K. (2018). Pulse repetition rate multiplication by Talbot effect in a coaxial fiber. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Dhingra N., Song J.C., Ghosh S., Zhou L., Rahman B.M.A. (2018). Design of phase change Ge₂ Sb₂ Te₅ based on-off electro-optic switch. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Kohli N., Srivastava S., Sharma E.K. (2018). Novel analytical approach for strongly coupled waveguide arrays. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Baliyan A., Usha S.P., Gupta B.D., Sharma E.K. (2018). Surface plasmon resonance based fiber optic sensor for the detection of triacylglycerides utilizing Ag/ZnO nanorods/lipase enzyme. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Sital, S., Sharma, E.K. (2018). Numerical method for analysis of multilayer surface plasmon waveguides and devices. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Soni N., Sharma E.K., Singh N., Kapoor A. (2018). Impact of Artificial Intelligence on Business”, Digital Innovations, Transformation, and Society Conference 2018 (Digits 2018), International Conference jointly organised by Birla Institute of Management Technology (BIMTECH), India and University of Maryland, USA at India Habitat Centre, New Delhi, India.

Soni N., Sharma E.K., Singh N., Kapoor A. (2018). Success of Optical based Networks for Deep Learning, Computing for Sustainable Global Development. 5th IEEE International Conference organised by Institute of Computer Applications and Management (BVICAM), Paschim Vihar, Rohtak Road, New Delhi.

Sharma, E.K., Dhingra, N. (2018). Talbot Effect in Time Domain for Pulse Repetition Rate Multiplication. Optics and Photonics theory and Computational Techniques, IIT Roorkee, India.

Gupta, M., (2017). Faculty Development Program on “Recent Trends in Applied Science Teaching FDP-RTAST” Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Delhi, 21 -27 July 2017.

Gupta, M., (2017). 2nd International Conference on “Telecommunication and Networks”, Amity University, Noida, 10 -11 August 2017.

Gupta, M., (2017). Invited Technical Talk on “Cellular Communication System Evaluation: 1G-5G” at Poornima University Jaipur, 13 September 2017.

Gupta, M., (2017). 17th International Conference of “Women Engineers and Scientists” at Pullman Hotels and Resorts, New Delhi Aerocity, 5 – 6 Oct. 2017.

Gupta, M., (2017). Invited technical talk on “Extending the scaling limits of Non-conventional Field Effect Transistor” at IIT Roorkee on 6 Oct. 2017.

Gupta, M., (2017). Invited technical talk on “CMOS Based Devices for Dosimetric Applications” at IIT Delhi during IWPSD-2017 on 11-15 Dec. 2017.

Gupta, M., (2017). Invited technical talk during National Seminar on Recent Developments in Electronic Materials and Devices at Maharaja Agrasen Institute of Technology, IP University, 10 Nov- 11 Nov. 2017.

Gupta, M., (2018). Keynote talk on “DC Characteristics of AlGaIn/GaN HEMT Devices with B_{0.7}GaN Back Barriers” at Karunya University, Coimbatore, during 16 – 17 March, ICDCS-2018.

Mehta, H., Kaur, H. (2017). Design Space Optimization for Nanoscale Graded Channel Negative Capacitance (GCNC) SOI MOSFET for Improved Device Performance and Temperature Resilience”, NANOFIM 2017 (Nanotechnology for Instrumentation and Measurement Workshop), Gautam Buddha University, Greater Noida, Uttar Pradesh, India, from 16-17 November, 2017.

Mehta, H., Kaur, H. (2017). Analytical Model to Study the Impact of Ferroelectric Materials SBT/PZT on Elliptical Gate All Around Junctionless Transistor, IEEE TENSYP 2017 – “Technologies for Smart Cities”, Cochin, Kerala, India, 14-16 July, 2017.

Patel, K, (2017). Estimation of optical effective mass of photon in single and bilayer graphene in the microwave frequency range. 10th National Conference on Solid State Chemistry and Allied Areas (ISCAS 2017), Delhi, 01-03 July 2017.

Students under Exchanged Programme

Nikhil Dhingra at City, University of London from 2017, January to 2017, June under Erasmus Mundus Intact programme.

Niharika Kohli at Carleton University, Canada from 2018 February till date under Shastri Indo-Canadian programme.

Placement Details (Number and percentage of students placed)

Number and percentage of students placed:

Course	Number	Percentage
M.Tech. (Microwave Electronics)	9 (3 DRDO Sponsored)	47 %
M.Sc. (Electronics)	8 (4 higher studies)	25%

Number of companies visited for campus recruitment : 1 (T-Silicon, Bengaluru)

Extension and Outreach Activities (Prof. Enakshi K.Sharma & Mr. Amit Birwal).

Annual visitors programme & Alumni meet on 24th March 2018

Speaker -1 Mr. Anuj Mathur, Aricent, Gurgaon

Speaker-2 Dr. P K Gupta, Visiting Professor, IIT Delhi (formerly at RRCAT, Indore)

Speaker-3 Dr. Mahesh Abegaonkar, IIT Delhi

Educational Trip

From 4- 7th March 2018 at DEAL and IRDE, Dehradun

Numbers of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 04

Faculty Strength

Permanent : 07

GENETICS

Major Activities and Achievements

The faculty members have made notable scientific contributions. Research work from Prof. A. K. Pradhan's group has developed some CMS-based and GM-based productive hybrids, several lines with improved quality and white rust resistance in mustard. Prof. B. K. Thelma's group has successfully completed the screening of 200,000 newborns for inborn errors of metabolism with collaborators from over 20 hospitals in Delhi state, and thereby generated the first ever epidemiological data in the country for these disorders. They have also discovered several novel genes and SNPs associated with neurodegenerative brain disorders and intellectual disabilities. Prof. M.V Rajam's recent work has led to the identification and characterization of around 17 novel genes vital for viral and fungal pathogenesis in tomato; and metamorphosis of insect pests of tomato, brinjal and cauliflower, and using RNAi-mediated silencing of these genes, they have demonstrated their potential for crop protection. Prof. P.K Burma's group has analysed tapetum specific promoter A9 from *Arabidopsis thaliana*, which led to the identification of transcription factors AtMYB80, AtMYB1 and AtMYB4 involved in positive and negative regulation of the promoter. Dr. S. Sarkar group has discovered several novel genetic suppressors to ameliorate the pathogenesis of human neuro-degenerative disorders and have also demonstrated the essential role(s) of *globin* gene in development. Dr. Jagreet Kaur's group have used set of geographically diverse *Arabidopsis* accessions (140 accessions) to uncover the genetic architecture underlying resistance to *Alternaria brassicae*, which can potentially help in developing resistant crops. Dr. Tapasya Srivastava's group have demonstrated a role of TET proteins in regulating cancer stem cell formation

of glioma cells in hypoxia, and established SNP rs16969968 as a strong predictor of nicotine dependence and lung cancer risk in our north Indian cohort, in complete contrast with those of Asian countries. The group have also established inhibin as a paracrine factor for metastasis and angiogenesis in ovarian cancer cells. Dr. Aruna Devi Naorem's group is working towards understanding the role of prolyl isomerization by Parvulins, and reported that PinA, a *D. discoideum* homolog of *S. cerevisiae* Ess1 is important for growth and development. Dr. Kaustuv Datta's group has identified a GTPase localized to the mitochondrial ribosomes that is likely to respond to changes in ATP/ADP ratio and regulate cells ability to carry out respiration. They have also identified a separate GTPase that aids in joining of large and small mitochondrial ribosomal subunits.

Honours / Distinctions

Dr. Surajit Sarkar has been awarded the DBT- Innovative Young Biotechnologist Award -2017 (IYBA-2017).

Prof. M. V. Rajam has been selected as a member of the National Advisory Board of the 'Sir Richard Roberts Centre for Genetically Modified Organisms', Amity University since 2017.

Prof. M. V. Rajam has been selected as member, Research Advisory Committee, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi

Prof. B. K. Thelma has been selected as an expert member, Task Force in HGGA and Basic molecular biology, DBT (2017-2018).

Prof. B. K. Thelma has been selected as an expert member, Task Force in Basic research in modern biology, DBT (2017-2020).

Dr. Surajit Sarkar has been selected as an expert member of Neuroscience Task Force, Department of Biotechnology, DBT (2017-2020).

Publications

Chanu, S. I. and Sarkar, S. (2017). Targeted downregulation of dMyc restricts neurofibrillary tangles mediated pathogenesis of human neuronal tauopathies in *Drosophila*. *Biochim Biophys Acta*, Vol 1863, 2111-2119.

Chanu, S. I. and Sarkar, S. (2017). Targeted downregulation of dMyc suppresses pathogenesis of human neuronal tauopathies in *Drosophila* by limiting heterochromatin relaxation and tau hyperphosphorylation. *Mol Neurobiol*, 54, 2706-2719.

Chaudhuri, Z., John, J., Aneja, S. and Thelma, B. K. (2017). Pedigree Analysis of Familial Primary Concomitant Horizontal Strabismus in Northern India. *Strabismus*, 26, 311-23.

Choubey, A., Rajam, M. V. (2017). Transcriptome response and developmental implications of RNAi-mediated ODC knockdown in tobacco. *Funct Integr Genomics*, 17, 399-412.

Chowdhury, M. R., Chauhan, S., Dabral, A., Thelma, B. K., Gupta, N. and Kabra, M. (2017). Validation of Polymerase Chain Reaction-Based Assay to Detect Actual Number of CGG Repeats in FMR1 Gene in Indian Fragile X Syndrome Patients. *J Child Neurol*, 32, 371-378.

Gulati, P., Kaur, K., Rajam, M. V., Srivastava, T., Ali, M. A., Mishra, P. and Islam, S. S. (2018). Leukemia biomarker detection by using photoconductive response of CNT electrode: Analysis of sensing mechanism based on charge transfer induced Fermi level fluctuation. *Sensors Actuators B*, 270, 45-55.

He, Z., Wang, L., Harper, A. L., Havlickova, L., Pradhan, A. K., Parkin, I. A. P. and Bancroft, I. (2017). Extensive homoeologous genome exchanges in allopolyploid crops revealed by mRNAseq-based visualization. *Plant Biotechnol J*, 15, 594-604.

Israni, B. and Rajam, M. V. (2017). Silencing of ecdysone receptor, insect intestinal mucin and sericotropin genes by bacterially produced double-stranded RNA affects larval growth and development in *Plutella xylostella* and *Helicoverpa armigera*. *Insect Mol Biol*, 26, 164-180.

John, J., Kukshal, P., Bhatia, T., Chowdari, K. V., Nimgaonkar, V. L., Deshpande, S. N. and Thelma, B. K. (2017). Possible role of rare variants in Trace amine associated receptor 1 in schizophrenia. *Schizophr Res.*, 189, 190-195.

John, J., Sharma, A., Kukshal, P., Bhatia, T., Nimgaonkar, V. L., Deshpande, S. N. and Thelma, B. K. (2018). Rare variants in Tissue Inhibitor of Metalloproteinase 2 (TIMP2) as a risk factor for schizophrenia: Evidence from familial and cohort analysis. *Schizophrenia Bulletin*. DOI:10.1093/schbul/sbx196

- Kajla, S., Mukhopadhyay, A. and Pradhan, A. K. (2017). Development of transgenic Brassica juncea lines for reduced seed sinapine content by perturbing phenylpropanoid pathway genes. *PLoS One*, 12, e0182747.
- Kashyap, S., Kumar, U., Pandey, A. K., Kanjilal, M., Chattopadhyay, P., Yadav, C. and Thelma, B. K. (2018). Functional characterisation of ADP ribosylation factor-like protein 15 in rheumatoid arthritis synovial fibroblasts. *Clin Exp Rheumatol*.
- Lohia, R., Jain, P., Jain, M., Burma, P. K., Shrivastava, A. and Saran, S. (2017). *Dictyostelium discoideum* Sir2D modulates celltype specific gene expression and is involved in autophagy. *Int J Dev Biol.*, 61, 95-104.
- Mamta, B. and Rajam, M. V. (2017). RNAi technology: a new platform for crop pest control. *Physiol Mol Biol Plants*, 23, 487-501.
- Mandal, S., Rajarammohan, S. and Kaur, J. (2018). Alternaria brassicae interactions with the model Brassicaceae member Arabidopsis thaliana closely resembles those with Mustard (Brassica juncea). *Physiol Mol Biol Plants*, 24, 51-59.
- Mukhi, N., Kundu, S. and Kaur, J. (2017). NO dioxygenase- and peroxidase-like activity of Arabidopsis phytooglobin 3 and its role in Sclerotinia sclerotiorum defense. *Nitric Oxide*, 68, 150-162.
- Pandey, N., Pal, S., Sharma, L. K., Guleria, R., Mohan, A. and Srivastava, T. (2017). SNP rs16969968 as a Strong Predictor of Nicotine Dependence and Lung Cancer Risk in a North Indian Population. *Asian Pac J Cancer Prev.*, 18, 3073-3079.
- Pareek, M. and Rajam, M. V. (2017). RNAi-mediated silencing of MAP kinase signalling genes (Fmk1, Hog1, and Pbs2) in Fusarium oxysporum reduces pathogenesis on tomato plants. *Fungal Biol.*, 121, 775-784.
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- Rajarammohan, S., Kumar, A., Gupta, V., Pental, D., Pradhan, A. K. and Kaur, J. Genetic Architecture of Resistance to Alternaria brassicae in Arabidopsis thaliana: QTL Mapping Reveals Two Major Resistance-Confering Loci. *Front Plant Sci.* 24 (8), 260.
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- Singh, A., Beniwal, R. P., Kukshal, P., Bhatia, T., Thelma, B. K. and Deshpande, S. N. (2018). A preliminary study of association of genetic variants with early response to olanzapine in schizophrenia. *Indian J Psychiatry*, 60, 10-16.
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Tanwar, M., Khera, L., Haokip, N., Kaul, R., Naorem, A. and Kateriya, S. (2017). Modulation of cyclic nucleotide-mediated cellular signaling and gene expression using photoactivated adenylyl cyclase as an optogenetic tool. *Sci Rep.*, 7(1) 20-48.

Tetorya, M. and Rajam, M. V. (2017). RNA silencing of PEX6 gene causes decrease in pigmentation, sporulation and pathogenicity of *Fusarium oxysporum*. *Plant Pathol.*, 67, 67-75, DOI:10.1111/ppa.12712.

Upadhyay, A., Kochar, M., Upadhyay, A., Tripathy, S., Rajam, M. V. and Srivastava, S. (2017). Small RNAs regulate the biocontrol property of fluorescent *Pseudomonas* strain Psd. *Microbiol Res.*, 196, 80-88.

Upadhyay, A., Kochar, M., Rajam, M. V. and Srivastava, S. (2017). Unraveling the role of expolysaccharides in Zinc biosorption by fluorescent *Pseudomonas* strain Psd. *Frontiers in Microbiology*, 8, 284. DOI:10.3389/fmicb.2017.00284.

Verma, N. and Burma, P. K. (2017). Regulation of tapetum-specific A9 promoter by transcription factors AtMYB80, AtMYB1 and AtMYB4 in *Arabidopsis thaliana* and *Nicotiana tabacum*. *Plant J.*, 92, 481-494.

Yadav, R., Nisha and Sarkar, S. (2018). *Drosophila* globin1 is required for maintenance of the integrity of F-actin based cytoskeleton during development. *Exp Cell Res.*, 366, 16-23.

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Two (Prof. A. K. Pradhan, Prof. M. V. Rajam)

Research Projects

Department of Biotechnology, Govt. of India, Indo-Spanish Project, *Biomarker for early diagnosis of neonatal sepsis as point of care testing using biosensors*, Prof. B. K. Thelma- Co-Principal Investigator; Budget Rs.1.02 crores (for UDSC).

Department of Biotechnology, Govt. of India, “*Excavating the role of Neurofibrillary Tangles (NFTs) in pathogenesis of human Tauopathies in Drosophila disease models*” Dr. Surajit Sarkar- Budget Rs. 57.60 Lakhs.

Seminars Organised

One day interactive meeting on ‘Cell Fate and Signaling’ was held on 13th October 2017 with support from DST Purse Grant. The following speakers participated in the meeting:

Dr. Akash Gulyani, inStem, NCBS Campus, Bangalore

Dr. Colin Jamora, inStem, NCBS Campus, Bangalore

Dr. Mahak Sharma, ISSER, Mohali

Dr. Alok Sinha, NIPGR, New Delhi

Dr. Anand Ranganathan, JNU

Dr. Soumen Basak, NII, JNU

Conferences Organised

Prof. B. K. Thelma - Symposium titled “Recent advances in molecular genetics with new biomedical insights”, jointly organised by INSA, New Delhi and the Israeli Academy of Sciences and Humanities held at INSA, New Delhi, February 12-13, 2018; Funded by IASH, Israel; and INSA, DBT, India. Workshop on microscopy, March 27, 2018. Funding: Indian Society of Cell Biology.

Seminar/Conference Presentations

Prof M. V Rajam has delivered an invited talk during 39th Annual Meeting of the Plant Tissue Culture Association (India) and National Symposium on ‘Plant Biotechnology’, Arid Forest Research Institute (AFRI), Jodhpur, March 16-18, 2018.

Prof M. V Rajam has delivered an invited talk during International Conference on ‘Environmental Changes and Their Impact on Plants and Human Health’, St. Wilfred’s P. G. College, Jaipur. January 15-17, 2018.

Prof M. V Rajam has delivered an invited talk during International Conference on ‘Innovations in Pharma and BioPharma Industry’, University of Hyderabad, Hyderabad. December 20-22, 2017.

Prof M. V Rajam has delivered an invited talk National Conference on ‘Harmony with Nature in Context of Environmental Issues’. Kakatiya University, Warangal. December 21-23, 2017.

Dr. Aruna Devi Naorem has delivered an invited talk at Young Scientists Meet organised by Department of Biotechnology, University of Calicut, Kerala during Feb 22-23, 2018.

Dr. Aruna Devi Naorem has presented a research poster at 10th Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Jagreet Kaur has presented a research poster at 10th Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Jagreet Kaur has delivered an invited talk at International Conference on Plant Developmental Biology and Indian Arabidopsis Meeting 12-16 Dec 2017, Organised by NISER, Bhubaneswar.

Dr. Jagreet Kaur has delivered an invited talk at Molecular Interactions of Plant and Associated Microbes Oct-2017, organised by Indira Gandhi National Tribal University, Amarkantak, M.P.

Dr. Kaustuv Dutta has presented a research poster at 10th Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Surajit Sarkar has delivered an invited talk at 3rd India Drosophila Research Conference, organised by Indian Institute of Science Education and Research (IISER), Bhopal, MP, 6-9 December, 2017.

Dr. Surajit Sarkar has delivered an invited talk at International Congress of Cell Biology-2018, organised by Centre for Cellular & Molecular Biology (CCMB), Hyderabad, from 27th to 31st January 2018.

Dr. Surajit Sarkar has presented a research poster at 10th Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Tapasya Srivastava at National seminar on Genes, Genetics and Epigenomics, Human Genetics department, Guru Nanak Dev University, Amritsar on March 20, 2018.

Dr. Tapasya Srivastava at World Neurocongress-2017, Aligarh Muslim University, Aligarh, 9th and 10th December, 2017.

Dr. Tapasya Srivastava has delivered an invited talk at Annual Meeting of Indian Academy of Neurosciences in Odisha from October 29-31, 2017.

Dr. Tapasya Srivastava has delivered an invited talk at IIT-Delhi "Current trends in Hypoxia Research" on 29th January, 2018.

Other Inter-Institutional Collaboration

Prof. B. K. Thelma has several National and International research collaborative projects and has published several papers. Prof M. V. Rajam has active research collaboration with Jawaharlal Nehru University and Indian Institute of Technology, Guwahati. Dr. Tapasya Srivastava has also published from active collaborations with Dr. Mythreye Karthikeyan at University of South Carolina in this period, pursuing work with Prof Islam at Jamia Millia Islamia and has initiated work with Dr. Anand Ranganathan at Jawaharlal Nehru University and Prof Kunzang Chosdol, Dr. Archana Singh and Prof Sameer Bakshi at All India Institute of Medical Sciences.

Placement Details (Number and percentage of students placed)

Outgoing M.Sc. and Ph.D. students opted for higher education (Ph.D./ Post-doctoral research work) in National and International Institutions.

Extension and Outreach Activities:

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 11

M.Phil. : 1

Faculty Strength: 9

MICROBIOLOGY

Major Activities and Achievements

A point-of-care (POC) device for rapid detection of antimicrobial resistance (AMR) in bacteria is being developed. Three well-proven technologies viz. DNA extraction, hybridization with resistance-genes array and an algorithm-driven selection of appropriate antibiotics are being integrated into this device. The role of

the genomic elements flanking upstream and downstream regions of the genes conferring resistance to β -lactam and quinolone antibiotics in *E.coli* have been investigated to use these as markers to study epidemiology and spread of antibiotic resistant bacteria. The role of chromatin modifications in *Leishmania* is also a major area of research. The past year the focus has been on the importance of histone acetyltransferase HAT2 and the histone modification it brings about: H4K10 acetylation. HAT2 is found to regulate transcriptional events. During the course of investigations the presence of two tiers of transcriptional regulation in *Leishmania* was uncovered. The study will be taken genome-wide over the next two years. Investigations into the role of histone methylation events in *Leishmania* are now being initiated to elaborate the functional roles of specific histone methyltransferases in cellular growth, cell cycle, replication and transcription. The role of Hepatitis C Virus (HCV) Core protein in virus mediated tumorigenesis by modulation of cellular metastasis suppressor Nm23-H1 also studies which provided the role of HCV-Core in HCV mediated cancer metastasis. The molecular characterization of an extra sequence of gamma-glutamyl transpeptidase from *Bacillus atrophaeus* (BaGGT) is done to develop a catalytic efficient mutant with 2-fold enhanced activity. A hyperthermostable alkaline lipase from *Geobacillus thermoleovorans* was isolated. The lipase was heterologously expressed in *E.coli*. The expressed enzyme was purified and its biochemical and biophysical characterization revealed several key industrial useful properties. The large scale production of therapeutically important biomolecule like streptokinase and hTNF- α using heterologous expression system such as *E. coli* and *Pichia pastoris* is done. Bioprocess optimization resulted in a higher volumetric product yield of 3.4 g/l and 2.35 g/l respectively.

Honours/Distinctions

Prof. J.S. Viridi: Elected President-Elect 2018, Association of Microbiologists (AMI) of India

Prof. J.S. Viridi: Member, UGC Committee for developing Learning Outcome based Curriculum Framework in the subject of Microbiology

Prof. J.S. Viridi: Member, Board of Studies in Microbiology, Amity University, Jaipur.

Research scholar Miss Babbar won best poster award during National conference (BESCON-2017) on Biological Engineering in 21st century, held at Netaji Subhas Institute of Technology, New Delhi, India from September 8-9, 2017 titled "High level soluble expression of recombinant hTNF- α in fed batch culture of *E.coli*"

Publications

8 research papers were published during 2017-2018

Bindal, S., Dagar, V. K., Saini, M., Khasa, Y. P. and Gupta, R. (2018). High level extracellular production of recombinant γ -glutamyl transpeptidase from *Bacillus licheniformis* in *Escherichia coli* fed-batch culture, 116, 23-32. Doi:10.1016/j.enzmtec.2018.05.004

Chandra, U., Yadav, A., Kumar, D. and Saha, S. (2017). Cell cycle stage-specific transcriptional activation of cyclins mediated by HAT2-dependent H4K10 acetylation of promoters in *Leishmania donovani*. *PLoS Pathogens*, 13(9), e1006615. Doi: 10.1371/journal.ppat.1006615

Dagar, V. K. and Khasa, Y. P. (2018). Combined effect of gene dosage and process optimization strategies on high-level production of recombinant human Interleukin-3 (hIL-3) in *Pichia pastoris* fed-batch culture. *International Journal of Biological Macromolecules*, 108, 999-1009. DOI:10.1016/j.ijbiomac.2017.11.008.

Khera, L., Paul, C. and Kaul, R. (2018). Hepatitis C Virus mediated metastasis in hepatocellular carcinoma as a therapeutic target for cancer management. *Current Drug Metabolism*, 19. Doi: 10.2174/1389200219666180129110942.

Tanwar, M., Khera, L., Haokip, N., Kaul, R., Naorem, A. and Kateriya, S. (2017). Modulation of cyclic nucleotide-mediated cellular signaling and gene expression using photoactivated adenylyl cyclase as an optogenetic tool. *Scientific Reports*, 7, 12048. Doi: 10.1038/s41598-017-12162-4

Nash, S. D., Prevots, R. D., Kabyemela, E., Khasa, Y. P., Lee, K. L., Fried, M., Duffy, P. E., (2017). A Malaria-Resistant Phenotype with Immunological Correlates in a Tanzanian Birth Cohort Exposed to Intense Malaria Transmission. *American Journal of Tropical Medicine and Hygiene*, 96(5), 1190-1196. DOI:10.4269/ajtmh.16-0554

Singh, N. S., Singhal, N. and Viridi, J. S. (2018). Genetic environment of blaTEM-1, blaCTX-M-15, blaCMY-42 and characterization of integrons of *Escherichia coli* isolated from an Indian urban aquatic environment. *Frontiers in Microbiology*, 9, 382, Doi:10.3389/fmicb.2018.00382.

Singha, T. K., Gulati, P., Mohanty, A., Khasa, Y. P., Kapoor, R. K. and Kumar, S. (2017). Efficient genetic approaches for improvement of plasmid based expression of recombinant protein in *Escherichia coli*: A review. *Process Biochemistry*, 55, 17–31. Doi:10.1016/j.procbio.2017.01.026

Research Projects

Biotechnology Industry Research Assistance Council (BIRAC), *Resistance-genes-array for rapid detection of antimicrobial resistance and algorithm driven therapy*, 2017-2018 Prof. J. S. Viridi 12.90 Lakhs.

Department of Biotechnology, *Engineering Pichia pastoris platform to address catabolite repression and methanol usage for AOX1p-guided expression: Strain development for efficient utilization of methanol substitutes in a glycerol-independent system*, 2017-2020, Prof. Rani Gupta, 49.54 Lakhs.

Department of Science and technology, *Investigating DNA replication protein Cdc45 in the protozoan parasite Leishmania donovani*, Prof. Swati Saha, 49 lakhs.

Department of Biotechnology, 2015-2018, 2016-2019; *Investigation of the roles of the GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani*, 67.5 lakhs to Prof. Swati Saha.

Indian council of agriculture research, *Understanding the molecular basis of peste-des- petits ruminants virus (PPRV) mediated host immune modulation for the development of next generation vaccine*, 2017-2020, Dr. Rajeev Kaul, 59 lakhs.

Seminar/Conference Presentations

Singh, N.S., Viridi, J. S. (2017) Assessment of antibiotic resistance genes and integrons in commensal *Escherichia coli* from the Indian urban waste water: Implications and significance for public health. Oral and Poster presentation at NextGen Genomics – Biology, Bioinformatics and Technologies (NGBT) conference, Bhubaneswar, Odisha (India), 2-4 Oct, 2017.

Singhal, N., Kumar, M., Viridi, J. S. (2017) Prospects of comparative genomics of β -lactamase genes in rapid antimicrobial resistance (AMR) detection and newer β -lactamase inhibitors. Poster presented at NextGen Genomics - Biology Bioinformatics and Technologies (NGBT) conference, Bhubaneswar, Odisha (India), 2- 4 Oct, 2017.

Singhal, N., Kumar, M., Viridi, J. S. (2018) Exploring the genetic determinants underlying differential inducibility of ampC β -lactamases in *Y. enterocolitica* biotypes 1A, 1B, 2 and 4. Poster presented at 28th European Congress of Clinical Microbiology & Infectious Diseases at Madrid (Spain), 21-24 Apr, 2018.

Kaul R (2018) Molecular biology of virus mediated cancers: Role of virus coded proteins in cancer metastasis. Poster presentation at 10th Young Investigator Meet organised by India Biosciences, Thiruvananthapuram, 05-09 Mar 2018.

Khasa Y. P. (2017) gave invited guest lecture on “Bioprocess optimization of recombinant therapeutics in methylotrophic yeast *P. pastoris*: Streptokinase as a model protein” in 58th Annual conference of AMI titled “Microbes for Sustainable Development: Scope & Applications” at Babashaheb Bhimrao Ambedkar University (A Central University), Lucknow, Uttar Pradesh, India between November 16-19, 2017.

Khasa Y. P. (2017) gave invited guest lecture on “Bioprocess development for the over-production of recombinant Streptokinase in *Pichia pastoris*” in National conference on Biotechnology: Exploring through Innovations (BETI)-2017" at Central University of Haryana, Mahendergarh, Haryana, between November 13-14, 2017.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 4

Faculty Strength

06

PHYSICAL EDUCATION & SPORTS SCIENCES

Major activities and achievements

The department engages in organizing various extension lectures in different topics related to exercise and sports psychology, sports exercise physiology, adapted physical activity, sports bio-mechanics and

kinesiology, motor learning and control, sports medicine, yogic science, sports spirituality, development of norms for various age groups of human populations in the areas of health and fitness, curriculum development and designing, training programme implementation and development and talent identification etc.

The development developed curriculum & syllabus for following courses for b.a. Programme with physical education as a discipline course - revised & updating of four discipline specific core course papers of physical education. Developed eight new skill enhancement course paper. Developed four discipline specific elective course papers. Developed two new generic elective inter-disciplinary papers of physical education to be offered to B.A. Programme without physical education. Developed four new inter-disciplinary papers of physical education to be offered as generic elective in all honours courses. Several seminars by experts were organised in the department round the year. Department conducted 33rd Annual Staff Tournament of NCERT from 23rd October, 2017 to 27th October, 2017 at NCERT, Aurobindo Marg, New Delhi. Faculties were engaged in high-end research towards understanding and developing strategies to physical education and sports sciences, specifically in areas of exercise physiology, sports biomechanics, health education, developing psychological and fitness tools and test.

Honours/Distinctions

Dr. Sandeep Tiwari, Head, Department of Physical Education & Sports Sciences

Expert Member of Jury for Youth Festival Rashtriya Sanskrit Sansthan at Mumbai 9th March, 2018- 11th March, 2018.

Expert Member of Sports Committee FICCI 2018.

Expert Member for FICCI Convention on 23rd January, 2018.

MEMBER, Consortium for Educational Communication Preview Committee (An Inter- University Centre of University Grants Commission on Electronic Media)

Member, Selection Committee for NCERT Staff Tournament, Aug, 2017.

Resource Person, “International Conference on Issues and New ideas in Sports Management” Organised by LNIPE Gwalior, 8th -10th March, 2018.

Dr. Pardeep Kumar

MEMBER, Consortium for Educational Communication Preview Committee (An Inter-University Centre of University Grants Commission on Electronic Media)

Member, Editorial Board, Indian Journal of Physical Education and Sports Sciences (Published from Dept. of Physical Education and Sports Sciences, University of Delhi).

Coordinator, Technical Official for conducting NCERT, All India Staff Sports Tournament 2017-18.

Publications

Tanwar A. and Tiwari S. (2018). Comparison of Aerobic Power Among batsmen and fast Bowlers in the game of cricket. *International Journal of Advanced Research and Development*, 24.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Assessment of Self Efficacy on Sportspersons and Non-Sportsperson. *International Journal of Movement Education and Sports Sciences (IJMESS)* 1, 2348-5604.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Assessment of Emotional Regulation among Sportsperson and Non- Sportsperson. *Indian Journal of Movement Education and Exercises Sciences (IJMEES)*, 1, 2249-5010.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Study of Mental Profile of Wicket Keeper Batsmen of Inter- Collegiate Cricket Players of University of Delhi. *Indian Journal of Movement Education and Exercises Sciences (IJMEES)*, 2, 2249-5010.

Kumar. P. and Singh, S. (2017). A study on promotion of Basketball game in village Dudoj, District Sikar, Rajasthan in percentile value. *International Journal Physical Education, Sports and Health*, 1(4), 226-228.

Kumar, D., and Kumar P. (2017). A study of different physiological fitness components of laborer's of East Delhi. *International Journal of Yogic, Human Movement and Sports Sciences*, 2(2), 118-120.

Khare P. and Chakraborty S. (2018). Effect of Total Body Trifecta (TBT) Training Program on Strength & Endurance of Intercollegiate Players. *Scientific Journal in Sport and Exercise*, 14(1), 54-62.

Khare P. and Chakraborty S. (2018). Effect of Total Body Trifecta (TBT) Training Program on Lipid Profile and Fat% of Intercollegiate Players. *Scientific Journal in Sport and Exercise*, 14(2), 38-45.

Conference Organised

Dr. Sandeep Tiwari, HOD, was Member, Advisory Committee for International Conference on “Issues and New Ideas in Sports Management” Organised by LNIPE, Gwalior, 8th -10th March, 2018.

Seminar/ Conference Presentations

E.S Narender (2018) Kinematical Analysis of Forehand Volley in Tennis. International conference on sports for all”. Presented at Amity University, Noida.

Extension and Outreach Activities

Organised a lecture on “Sports Management” Industry Trends, Research & Careers” by Dr. Mike Rayner Course Leader, Portsmouth University, U.K. in collaboration with Hansraj College, University of Delhi on 23.01.2018.

Department conducted 33rd Annual Staff Tournament of NCERT from 23rd October, 2017 to 27th October, 2017 at NCERT, Aurobindo Marg, New Delhi.

Number of M.Phil./Ph.D. Degrees Awarded

Awarded Ph.D. degrees during the above period = Eight (8).

Faculty Strength:

Recognized Teachers	-	08
Administrative Staff	-	02
Junior Assistant	-	01 (Contract Basis)
Office Attendant	-	01 (Contract Basis)

PLANT MOLECULAR BIOLOGY

Major activities and achievements:

Work undertaken by Prof. AK Tyagi has helped in identification of metaQTLs associated with grain size/weight in diverse Indian indica and aromatic rice accessions. The forward genetics has been also used to define genetic determinants of growth habit and flowering time in chickpea. Prof. J.P. Khurana focuses on light sensory receptors, mainly on cryptochromes which perceive UV-A/blue light to regulate plant height and flowering time. Genomic resources are being developed in wheat and mulberry by Prof. Paramjit Khurana. Heat shock factors (Hsfs) are being investigated in rice by Prof Anil Grover. Modulation of the RNA-based anti-viral resistance pathways (RNAi) in plants is being studied by Prof. Indranil Dasgupta. Prof. Sanjay Kapoor works on understanding the molecular aspects of male gametophyte development. Prof. Arun Sharma identified 85 ERFs related to fruit ripening in tomato. Prof. Girdhar Pandey concentrates on unraveling the calcium mediated-signal transduction pathway. Dr. S. Raghuvanshi is engaged in functional characterization of miRNA-mediated drought responsive regulatory networks. Dr. Surekha Katiyar is engaged in elucidating the biological role of tetraspanin proteins.

Honours/Distinctions

Professor A. K. Tyagi

JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.

GM Modi Award for Innovative Science & Technology, 2017.

Professor Paramjit Khurana

JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.

Birbal Sahni Award Medal of the Indian Botanical Society for 2017.

Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017.

Council Member (NASI representative), Indian National Science Academy, 2018.

General Secretary (Outstation), The National Academy of Sciences, Allahabad, India, (2018-2019).

Professor Girdhar K. Pandey

Elected Fellow of National Academy of Agricultural Sciences (NAAS), New Delhi, India (2018).

Visiting Professor at Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).

Foreign Expert award, Institute of Agri-Biotechnology and Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).

Publications

- Borah, P. and Khurana, J. P. (2018). The OsFBK1 E3 ligase subunit affects anther and root secondary cell wall thickenings by mediating turn-over of a cinnamoyl-CoA reductase. *Plant Physiology*, 176, 2148-2165.
- Burman, N., Bhatnagar, A. and Khurana, J. P. (2018). OsbZIP48, orthologous to AtHY5, exerts pleiotropic effects in light-regulated plant development. *Plant Physiology*, 176, 1262-1285.
- Basu, U., Bajaj, D., Sharma, A., Malik, N., Daware, A., Laxmi, ... Parida, S. K. (2018). Genetic dissection of photosynthetic efficiency traits for enhancing seed yield in chickpea. *Plant Cell & Environ.*, in press.
- Jain, N., Vergish, S. and Khurana, J. P. (2018). Evaluation of house-keeping genes for normalization of gene expression data for diurnal/circadian studies in rice using RT-qPCR. *Scientific Reports*, 8, 3203. Doi: 10.1038/s41598-018-21374-1.
- Krupovic, M., Blomberg, J., Coffin, J.M., Dasgupta, I., Fan, H., Geering, A.D., ... Kuhn, J.H. (2018). Ortervirales: A new virus order unifying five families of reverse-transcribing viruses. *Journal of Virology*, 92.
- Kushawaha, A.K. and Dasgupta, I. (2018). Infectivity of cloned begomoviral DNAs: an appraisal. *Virus Disease*, DOI 10.1007/s13337-018-0453-5.
- Rishishwar, R. and Dasgupta, I. (2018). Suppressors of RNA silencing encoded by geminiviruses and associated DNA satellites. *Virus Disease*, DOI 10.1007/s13337-108-0418-8
- Kushawaha, A.K., Rabindran, R. and Dasgupta, I. (2018). Rolling circle amplification-based analysis of Sri Lankan cassava mosaic virus isolates from Tamil Nadu, India suggests a low level of genetic variability. *Virus Disease*, 29(1), 61-67. DOI 10.1007/s13337-018-0432-x
- Lavania, D., Dhingra, A. and Grover A. (2018). Analysis of transactivation potential of rice (*Oryza sativa* L.) heat shock factors. *Planta*, 247, 1267-1276.
- Agarwal, P. & Khurana, P. (2017). Characterization of a novel zinc finger transcription factor (TaZnF) from wheat conferring heat stress tolerance in Arabidopsis. *Cell Stress & Chaperones*, Doi:10.1007/s12192-017-0838-1.
- Agarwal, P., Kumar, R., Pareek, A. and Sharma, A. K. (2017). Fruit preferential activity of tomato RIP1 gene promoter in transgenic tomato and Arabidopsis. *Mol. Gen. Genomics*, 292, 145-156.
- Baranwal, V. K. and Khurana, P. (2017). Genome-wide structural, functional and evolutionary analysis of Membrane Intrinsic Proteins of *Morus notabilis* and their expression dynamics in different species. *Plant Physiol. and Biochem*, 111, 304-317.
- Baranwal, V. K., Negi, N. and Khurana, P. (2017). Auxin Response Factor Genes Repertoire in Mulberry: Identification, and Structural, Functional and Evolutionary Analyses. *Genes (MDPI)* 8(202). Doi: 10.3390/genes8090202.
- Borah, P., Sharma, E., Kaur, A., Chandel, G., Mohapatra, T., Kapoor, S. and Khurana, J. P. (2017). Analysis of the drought-signalling network in two contrasting varieties of rice by employing microarray-based transcriptomics approach. *Scientific Reports* 7, 42131. Doi: 10.1038/srep42131.
- Daware, A. V., Srivastava, R., Singh, A. K., Parida, S. K. and Tyagi, A. K. (2017). Regional association analysis of meta-QTLs delineates candidate grain size genes in rice. *Front. Plant Sci.*, 8, 807.
- Jha, S. K., Malik, S., Sharma, M., Pandey, A., and Pandey, G. K. (2017). Recent advances in substrate identification of protein kinases in plants and their role in stress management. *Current Genomics*, 18.

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Srivastava, R., Uppadhyaya, H. D., Kumar, R., Daware, A. V., Basu, U., Shimray, W. Parida, S. K. (2017). A multiple QTL-seq strategy delineates potential genomic loci governing flowering time in chickpea. *Front. Plant Sci.*, 8, 1105.

Thompson, J. R., Dasgupta, I., Fuchs, M., Iwanami, T., Karasev, A. V., Petrzik, K. Yoshikawa, N. (2017). ICTV Virus Taxonomy Profile: Secoviridae. *Journal of General Virology*, 98, 529-531. DOI:10.1099/jgv.0.000779.

Upadhyaya, H. D., Bajaj, D., Srivastava, R., Daware, A., Basu, U., Tripathi, S. Parida, S.K. (2017). Genetic dissection of plant growth habit in chickpea. *Funct. Integr. Genomics*, 17, 711-723.

Zhang, D., Huang, Y., Kumar, M., Wan, Q., Xu, Z., Shao, H.B., and Pandey, G.K. (2017). Heterologous expression of GmSIP1; 3 from soybean in tobacco showed growth retardation and tolerance to hydrogen peroxide. *Plant Science*, 263, 210-218.

Zhang, D. Y., Kumar, M., Xu, L., Wan, Q., Huang, Y. H., Xu, Z. L. Shao, H.B. (2017). Genome-wide identification of Major Intrinsic Proteins in Glycine soja and characterization of GmTIP2; 1 function under salt and water stress. *Sci Rep.*, 23, 7(1), 4106.

Journals

Professor Akhilesh K. Tyagi is on Editorial Boards of Molecular and General Genomics, Rice, Transgenic Research and Journal of Plant Biochemistry and Biotechnology

Professor Indranil Dasgupta is Member of editorial boards of Journal of Biosciences & Journal of Virus Disease.

Research Projects

J.C. Bose fellowship, DST, 2007 – 2017, Professor Akhilesh K. Tyagi, awarded 121.1 lakhs.

DBT, *Functional characterization of genetic and epigenetic regulatory networks involved in the reproductive development in rice*, 2015 - 2020, Prof A. K. Tyagi, as Project Coordinator & Prof J. P. Khurana, Prof S. Kapoor, Prof Vijayraghavan as PIs, 987.42 Lakhs.

DBT, *Regulation of ripening in tomato by manipulation of epigenome*, 2016 - 2021, Professor Arun K. Sharma, 91.74 lakhs.

DBT-NOW, Indo-Dutch Collaborative Project on *Characterization of Molecular Components Involved in Pollen Abortion during High Temperature Stress*, 2015 - 2019, Professor Sanjay Kapoor 150.07 lakhs.

DST-SERB, *Unravelling the interactome of tetraspanin protein, a novel regulator of abiotic stress tolerance in rice*, 2018 -2021, Dr. Surekha K-Agarwal, 37.40 lakhs.

Seminars organised

UGC-SAP workshop was held on February 27, 2018 entitled “New Frontiers in Biological Sciences”
DPMB Annual Symposium was held on March 21-22, 2018.

Conferences organised

Dr. Saurabh Raghuvanshi

National Symposium on Database Development and Biocuration 2018 on 6-7th April 2018

Seminar/Conference Presentation

Prof. A.K. Tyagi

Annual Function of Botanical Society, Shivaji College, New Delhi, 2018.

National Conference on Technological Empowerment of Women, NASI, New Delhi, 2018 (*Plenary lecture and session chair*).

National Symposium on Database Development and Biocuration, UDSC, New Delhi, 2018.

Summer Plant science Fest-2018, NBRI, Lucknow, 2018 (*Chief Guest*).

DBT Brainstorming Session, GEU, Dehradun (*chaired the session*).

Teacher’s Day lecture, NABI, Mohali (*Chief Guest*).

Professor Paramjit Khurana

NASI-CCSHAU workshop on Scientific/Technical writing on “Introducing the concept of scientific writing and presentation” at Hissar Agricultural University, on April 18-19, 2017.

Invited talk on “Plant Genomics: a case study in Interdisciplinarity: at the National Conference on Interdisciplinarity: Prospects & Challenges (under Star College Scheme, DBT) at Maitreyi College from April 5-7, 2017.

Keynote address on “Gender Sensitization: changing the mindset” at Science and Technology Sensitization Program for Uttarakhand from June 9-10, 2017, organised by National Academy of Sciences, India, at Kumaun University, Nainital.

“Plant Genomics: Implications for Crop Improvement”, at the Two day seminar on “Women in Science: A Career in Science”, at Deen Dayal Upadhyaya College, university of Delhi, from August 10-11, 2017.

Birbal Sahni Medal Award Lecture for the year 2017, on “The Mulberry Genomics Landscape – a rendezvous on the lesser trodden path!” in the 40th All India Botanical Conference of Indian Botanical Society at Punjabi University, Patiala, on September 15, 2017.

For Chairing a session in the “Science & Technology Sensitization Programme” organised jointly by The National Academy of Sciences India (NASI) and National Metallurgy Laboratory at Jamshedpur, on October 5-6, 2017.

“Art of Scientific Writing” in the “Science & Technology Sensitization Programme” being organised jointly by NASI and National Botanical Research Institute (NBRI), Lucknow, from October 27-28, 2017.

“Gender Sensitization: Changing the Mindset” at NASI-IIT-Guwahati Sensitization Workshop on technological Empowerment of Women on Nov 5-6, 2017, at Guwahati.

Foundation Day Lecture, on “Relevance of Basic Science Research in Achieving Food Security under Changing Climatic Conditions”, on Nov 15, 2017. at Division of Biochem, IARI, New Delhi.

Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017, at the National Conference of Plant Physiology on “Emerging role of Plant Physiology Food Security and Climate Resilient Agriculture” at Indira Gandhi Krishi Vishwavidyalaya, Raipur, on Nov 23-25, 2017.

Special Lecture in the Children’s Science Meet at IUCAA during the NASI Annual Symposium on “Basic Research – its Role in National Development” at SPPU, Pune Dec 8-10, 2017.

INSA Annual Symposium and meeting at IISER Pune, from Dec 27-29, 2017.

Invited Lecture at the National Seminar on “Emerging Areas of Sericulture; Issues, Challenges and Industrial Application for Sustainable Development and Eco-Restoration”, on January 30-31, 2018, at Raiganj university, Raiganj, West Bengal.

Co-chaired the Panel Discussion during the National Conference on Technological Empowerment of Women, March 8 & 9, 2018, organised by NASI at Vigyan Bhavan, New Delhi.

Professor Anil Grover

Talk at Deshbandhu College, Delhi University (13 October 2017).

Talk at School of Life Sciences, Pt. Ravishankar Shukla Univ, Raipur, Chhattisgarh (22 August 2017)

Talk at “Modern breeding strategies for crop improvement”, PJTSAU, Hyderabad, Telangana (10 July 2017).

Talk at Inspire Camp, Ramjas College, Delhi University, Delhi (06 July 2017).

Professor Indranil Dasgupta:

Participated in the “VIROCON 2017 and Viruses to Viromes in Health and Disease” organised by Indian Virological Society, held from December 7-9, 2017 at NITTE University, Mangaluru. Co-chaired a session in the conference and delivered a Lead lecture.

Professor Girdhar K. Pandey

Understanding ABA signaling mediated by Ca^{2+} -CBL-CIPK module in Arabidopsis. Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, 1st March 2018.

Progress toward functional genomics of stress signaling in plants. Teaching and learning skill in plant molecular biology, Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, 1st March 2018.

A story of ABA, calcium and CBL-CIPK: Stress signaling perspective. UGC-SAP workshop symposium, University of Delhi South Campus, New Delhi, 27th Feb 2018.

From genomic to functional genomics: Stress signaling perspective. Delonix 18, Department of Botany, Deen Dayal Upadhyay College, Delhi University, New Delhi, 21 Feb 2018.

How phosphorylation-dephosphorylation switch regulates K⁺ deprivation stress signalling in plants? Understanding Plant Abiotic Stress: The Omic way, An India-Egypt workshop, 18 December 2017, University of Delhi South Campus, New Delhi-110021.

OsPUB75, an Armadillo/U-box protein interacts with a GSK3 kinase and function as a negative regulator of abiotic stress conditions. National Conference on Basic Biology is the Core of Biotechnology Department of Bioscience and Biotechnology, Banasthali University, 30-31 October, 2017

From genomic to functional genomic of plant protein phosphatases in abiotic stress. International Conference of Plant Genetic and Genomics (AgriGenomic India), Chandigarh, 20 July 2017.

What we are learning from the functional genomics of abiotic stress? Rice protein phosphatases. Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment Jiangsu Academy of Agricultural Sciences, Nanjing, Jiangsu, China, 11 July 2017.

Calcium mediated signaling in plants: Interplay of kinases and phosphatases during K⁺ deprivation stress. School of Plant Sciences & Food Security Faculty of Life Sciences, Tel Aviv University, Israel, 25 May 2017.

Role of calcium mediated CBL-CIPK module in regulation of ABA responses in plants. BioSpark-2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi-110067, March 2017.

How oxidative stress responses are regulated in Arabidopsis? Story of a Ca²⁺-modulated kinase and mitochondrial gatekeeper module. International Symposium on Plant Biotechnology for Crop Improvement, IIT-Guwahati, Assam, India 20-21-January 2017.

How a Ca²⁺-regulated kinase modulate oxidative stress responses in Arabidopsis? Role of CIPK-VDAC module. Shanghai Center for Plant Stress Biology, Shanghai Institute of Biological Sciences, Shanghai, China, 13 January 2017.

New insights of oxidative stress responses in Plant: Story of a Ca²⁺-modulated kinase and mitochondrial gatekeeper module. Jiangsu Academy of Agricultural Sciences, Nanjing, Jiangsu, China, 11 January 2017.

Students under Exchange Programme

Ritesh Kumar Saklani visited Netherland under DBT-NWO Joint Research Project entitled "Characterizing the molecular-physiological basis of pollen abortion upon prolonged high temperature stress" funded in India and the Netherlands by the Department of Biotechnology (DBT, Sanction letter No. BT/IN/NW0/16/SK/2015-16) and the Netherlands Organization for Scientific Research (NWO) (28/08/2017 until 01/09/2017).

Richa Babbar availed a short-term research internship of four months at the University of Leeds, United Kingdom under Newton Bhabha PhD Placements Programme by DST, DBT (INDIA) and British Council (UNITED KINGDOM) (September 2017- December 2017).

Number of Ph.D. Degrees Awarded - 6

Faculty Strength

11 (Permanent)

FACULTY OF LAW

Major activities and achievements

The three law centres of the Faculty of Law have seen a surge of academic events and activities in 2017-18. The details of events and activities of the three law Centres are given in their independent reports. The main activities of the Faculty of Law for the academic session 2017-18 include workshops/conference at the national level, such as National Workshop on Applied IPR, National Conference on Surrogacy vis-a-vis Adoption. Many knowledge enrichment programmes in the form of 'Eminent Professor's Lecture Series',

‘Interactive Taster Sessions’ in collaboration with Birmingham Law School, ‘Lecture on Constitutionalism and the Culture of Justification’, Faculty Development Programme, Training on ADR, and many seminars were held in 2017-18.

Seminars/Talk Organised

Prof. Moshe Cohen-Eliya, President, College of Law and Business, Israel, lectured on "Constitutionalism and the Culture of Justification", February 13th, 2018.

“Interactive Taster Sessions” in collaboration with Birmingham Law School, University of Birmingham, February 5th, 2018.

Prof. Ved. P. Nanda, Honorary Professor, Faculty of Law, spoke on “New Developments in US Legal Education”, “Orientation on International Law”, “Publication Opportunities for Teachers and Research Scholars in Law”, and “Critical Issues in International Relations” in the “Eminent Professor’s Lecture Series”. January 22-25th, 2018.

Dr. Neeru Chadha, First Indian Woman Judge of International Tribunal for the Law of the Sea visited and delivered a talk, 26 October 2017.

Conferences/Workshop Organised

Justice Rajiv Sahai Endlaw, Judge High Court of Delhi, Mr. Rajiv Aggarwal, Joint Secretary, DIPP, Government of India, resource persons in *National Workshop on Applied IPR & LL.M. Orientation* in collaboration with Singh and Singh Law Firm, November 25th, 2017.

Faculty development programme, 3rd March to 9th March 2018.

Two-day Training on Alternative Dispute Resolution, 11- 12 March 2018.

National Conference on Surrogacy vis-a-vis Adoption, April 13th, 2017.

National/International MoUs

In this academic session Faculty of Law, University of Delhi has seen great surge in MOUs with International institutions. Process for signing MOU with academic institutions of the repute, such as Macquarie University, Australia has been initiated.

LL.M./Ph.D Awarded.

Ph.D: 8

Faculty Strength: 150 (3 on leave)

CAMPUS LAW CENTRE

Major Activities and Achievements

Campus Law Centre (CLC) has consistently been ranked among the top law schools in India. CLC organised K.K. Luthra Memorial Moot Court Competition in January 19-21, 2018 which saw participation from over 60 Universities including participation from International Universities such as Fitzwilliam College, Cambridge, Northumbria University Law School, University of Warwick, Bangor University Law School, University of Bristol Law School, United Kingdom, The George Washington University Law School, USA, Universitas Gadjah Mada, Indonesia, Pakistan College of Law, Lahore University of Management Sciences (LUMS), Pakistan, Sri Lanka Law College, Sri Lanka, Kathmandu School of Law, Nepal, London College of Legal Studies (South), Bangladesh and Hankuk University, South Korea. The Legal Aid Society of CLC held regular outreach and awareness programmes throughout the academic year. The Seminars, Debates and Discussions Society of CLC organised regular weekly presentations to promote the culture of debate and discussion. Various workshops and talks by various eminent international and national scholars were organised to give exposure to students. The Journal of the Campus Law Centre and Annual Report of CLC ‘Kaleidoscope’ are published annually. Students of CLC have won accolades in various moot court competitions and mediation competitions. Many students have secured admissions for further studies in various foreign universities.

Honours/Distinctions

Professor (Dr.) Usha Tandon is a Member, Editorial Board, Private and Property Law International Journal, Nigeria.

International Academy of Family Lawyers (IAFL), awarded fully funded second Summer Studentship for Chicago, USA, to the student of Campus Law Centre- Ms. Mallika Agarwal for the month of July, 2018.

Professor S.C. Raina (on leave) is the Vice Chancellor, Himachal Pradesh National Law University.

Professor J.L. Kaul (on leave) is the Vice Chancellor, H.N.B Garhwal (Central University), Uttarakhand.

Professor Kamala Sankaran (on leave) is the Vice Chancellor, Tamil Nadu National Law School.

Mahalwar, Vandana has been selected for Fulbright-Nehru Postdoctoral Research Fellowship (2019) in the International Copyright Law announced by United States –India Educational Foundation (USIEF).

Publications

Chakraborty, R. (2017). *West Bengal Land Reforms: A Step towards Socialism*. In Ajoy Kumar Datta & Manas Chakrabarty (ed.), *Propaganda and Democratic Politics in India*. 56-67. Kolkata: Levant Books Publications.

Chakraborty, Ruchita. (2018). Role of Judiciary in Social Change: An Analytical View. In Jitendra Sahoo (ed.), *Indian Federalism-The Recent Experiences*. 96-111. Kolkata: Levant Books Publications.

Gupta, N. (2017). Winding up of Companies-Legal position under companies Act, 2013 vis-à-vis Insolvency and Bankruptcy Code, 2016. *International Journal of Multidisciplinary Research Centre*. 3. Retrieved from www.ijmrc.com.

Gupta, N. (2017). National Company Law Tribunal (NCLT)-A Single Window Institution for Corporate justice. *International journal of Research in Humanities, Arts and Literature*. 15 (4). Retrieved from www.impatjournals.us.

Jarain, E. (2017). Human Rights Education: A Reliable Instrument to Promote and Protect Human Rights. *National Capital Law Journal*. XVI, 113-125.

Jeenger, K. (2017). Why not an Academician to the ICJ this Time. Retrieved from www.livelaw.in/not-academician-icj-time.

Kaul, J. L. and Jha, A. (eds.) (2018). *Shifting Horizons of Public International Law: A South Asian Perspective*. Germany, Springer Publications.

Kaur, H. (2017). Surrogacy (Regulation) Bill 2016 and Homosexual Parenting. *Journal of the Campus Law Centre*. 4(5), 119-132.

Koonan, S. and Cullet P. (Eds.). (2017). *Water Law in India - An Introduction to Legal Instruments*. New Delhi: Oxford University Press.

Koonan, S., Cullet, P. and Bhullar, L. (2017). Regulating the interactions between climate change and groundwater: lessons from India. *Water International*. 42(6), 646-662.

Mahalwar, V. (2017). Agreement on Trade-Related Aspects of Intellectual Property Rights versus Convention on Biological Diversity: A Call for Harmonization. In Tandon, U., Parasaran, M., Luthra, S. (eds.) *Biodiversity: Law, Policy and Governance*. 131-152. London: Routledge India.

Mishra, A. (2018). Property Rights in Outer Space: Responsible Exploration and Appropriation. In Raizada, Shafali (ed.) *Space Law: Emerging Trends and Policy*. 93-106. New Delhi, Satyam Law International.

Mittal, R. (2017). Mechanisms to make end-users of copyright works pay through collective rights management: International trends and Indian perspectives. *Journal of Campus Law Centre*. 4(5), 30-44.

Nagarwal, N. (2017). Media Concentration and Indian Secularism: Issues of National Integration and Communal Harmony, India. *International Journal of Juridical Science*. 6 (1-2), 55-68.

Singh, K. K. (2017). Global IP Regime and India's Innovation System: Legal Perspective. In Girish Kumar (ed.) *Globalization and India's Innovation System-A Creative Destruction*. 163-168. Kottayam, Mahatma Gandhi University, Kottayam publishers.

Singh, K. K. (2017). DNA Technology and Criminal Justice System in India: An Inquiry into the Truth, Objectivity and Impartiality. *Amity Law Watch*. 31, 5-17.

Singh, K. K. (2018). Health, Human Rights and Good Governance: A Critical Study with respect to Access to Essential Medicines. In Pradeep Kumar (ed.) *Human Rights Protection and Good Governance*. 26- 44. New Delhi: Regal Publications.

Singh, S. (2018). Politics of a New India - A Nationalistic Perspective (ed.) Shri Prakash Singh. *Feminist Jurisprudence in 21st Century and Relevancy of Vedas in Contemporary World*. 214-246. New Delhi: Rupa Publications.

Tandon, U. (2018). *Energy Law and Policy* (Ed.). New Delhi: Oxford University Press.

Tandon, U., Parasaran M. and Luthra S. (2018). *Biodiversity: Law, Policy and Governance*, (Ed). London, New York: Routledge, Taylor & Francis Group.

Tandon, U. (2018). Regulation of Nuclear Energy for Sustainable Development: A Critical Overview of International Regime with Special Reference to IAEA. In Usha Tandon (ed.), *Energy Law and Policy*. 45-74. New Delhi: Oxford University Press.

Tandon, U. (2018). Assessing Indian's Green Tribunal for Conservation of Biodiversity. In Usha Tandon et al (ed.), *Biodiversity: Law, Policy and Governance*. 200-230. New York, London: Routledge, Taylor and Francis Group.

Tandon, U. (2017). Emergent Challenges for Paris Climate Regime: CBDR in the Context of INDC. *National Green Tribunal, International Journal on Environment*. II, 19-28.

Tyagi, N. (2017). Linkage between Women Empowerment and Environment: Absence of Policy Initiatives and Legislations. In *Law and Society: Social Change of Marginalized Sections of Society*. 84-98. New Delhi: Regal Publications.

Tyagi, N. (2017). Ensuring Rights to Surrogates: Legal Safeguards and Reservations under the Assisted Reproductive Technology (Regulation) Bill, 2014, *Journal of Global Research and & Analysis*, 6(1), 29-38.

Tyagi, N. (2017). Tribal Rights in India and the Impact of PESA: Issues and Challenges to Implementation, *Social Action*, 67(3), 203-27.

Tyagi, N. (2017). UNDG and Inclusive Growth for Women: Ensuring A More Just World for the Other Half of the Population. *Indian Socio-Legal Journal*, 44 (1&2), 129-33.

Tyagi, N. (2017). Revision and Reforms in the Family Laws through Uniform Civil Code: An Unfinished Agenda towards Women Empowerment and Gender Justice. *Social Action*, 68 (1), 94-103.

Tyagi, N. (2017). Interplay between Consumer Welfare and Competition Laws. Retrieved from <http://jimsgnblog.blogspot.in/2017/09/interplay-between-consumer-welfare-and.html>.

Tyagi, N. (2017). Administrative Tribunals in India. Retrieved from <http://jimsgnblog.blogspot.in/2018/01/administrative-tribunals-in-india.html>.

Vandana. (2017). *The Third Gender Pleas for Identity and Equality-Some Reflections*. Delhi: Pragati Publications.

Vandana. (2017). Child Marriage under Hindu Personal law: Factum Valet or an Issue for Protection of Human Rights of Women. *ILI Law Review (Summer Issue)*. I, 175-197. Retrieved from <http://ili.ac.in/pdf/paper1117.pdf>.

Vandana. (2017). Marital Rape-Exemption under Indian Penal Code: Quest for Recognition and Liability. *ILI Law Review*. II (Winter Issue), 2-19. Retrieved from <http://ili.ac.in/pdf/vandana.pdf>.

Yadav, A. and Yadav, A. (2018). Gender Exfoliation: Legal Dynamics. Right to Abortion. *Time to Revisit the Medical Termination of Pregnancy – MTP Act 1971*. 209-221. Hyderabad: ICFAI Law School.

Yadav, S. (2017). Supreme Court on Death Penalty. *Journal of Legal Studies and Research*. 3 (4), 38-47 Retrieved from <http://jlsr.thelawbrigade.com/wp-content/uploads/2018/01/Suman-Yadav-Amol-Shetty.pdf>.

Number of Teachers serving as Editor(s)/Co-editor(s)/Member(s) of Editorial Board -09

Kaur, Harleen: Member, Editorial committee, *Journal of the Campus Law Centre (JCLC)*, Vols I, II, IV & V: (2013, 2014, 2016-2017).

Koonan, Sujith: Member of Editorial Board: *Law, Environment & Development Journal* (<http://www.lead-journal.org/>). January , 2013- till date.

Mishra, Anumeha: Editorial Assistant, *Journal of Indian Law Institute*, Indian Law Institute January 2017 to June 2017.

Mittal, Raman: Editor, *Journal of Campus Law Centre*, Vols IV & V: 2017.

Raina, S.C: Editor in Chief, *Shimla Law Review*, HP National law University, Shimla. April, 2018.

Nagarwal, Narender: Editor, *Indian Journal of Law and Justice*, Department of Law, University of North Bengal, Darjeeling West Bengal. October, 2012- till date.

Nagarwal, Narender: Associate Editor, *Indian Journal of Law and Governance*, Department of Law, Cooch Behar Panchanan Barma University, Cooch Behar, West Bengal. February, 2018.

Tandon, Usha : Editor in Chief, *Journal of the Campus Law Centre (JCLC)*, University of Delhi, Vols. I, II, III, IV, (Since 2013- till date).

Tandon, Usha: Founder Member, Editorial Board, *Private and Property Law International Journal*, Nigeria.

Tandon, Usha: Chief Editor, *National Journal of Comparative Law (NJCL)*. September 2014 -till date.

Vandana: Member, Editorial Board, Journal of Tamil Nadu National Law School, Tiruchirapalli. April, 2017- till date.

Yadav, Suman: Member of Editorial Board *Asia Pacific Law and Policy Review*, asiapacific.ccinternational.in. January, 2017- till date.

Yadav, Suman: Member of Editorial Board *Commonwealth Law Review Journal*, clrj.ccinternational.in. June, 2016- till date.

Research Projects

National Human Right Commission, *The Status and Future of Legal Education in Indian law Schools*. Project at HPNLU Shimla. 2017, Raina, SC., Grant received – Rs. 12 Lacs.

Global Green Grants Fund, *Water ATMS—Sustainability Impact Assessment*, 2016-2018, Koonan, Sujith. Grant received - 7106 USD..

Law Commission of India, *Hate Speech Report No. 267*, 2017, Mishra, Anumeha, worked as a Consultant.

Seminars /Workshops Organised

Prof. (Dr.) Nuzhat Parveen Khan, Dean, Faculty of Law, Jamia Millia Islamia, Prof. T.C. James, Former President, National Intellectual Property Organization (NIPO) and Visiting Fellow, Research and Information System for developing Countries, Dr.Zakir Thomas IRS, Additional Director General of Income Tax, Central Board of Direct Taxes, Ministry of Finance and Former Registrar of Copyright Government of India, Dr.Raman Mittal, Associate Professor, CLC, Mr. Pravin Anand, Managing Partner, Anand and Anand Law Offices, Dr. Rekha Chaturvedi, MHRD IPR Chair Professor, Cluster Innovation Centre, University of Delhi, Mr. Shhaurya Sah, Head of IPR Division, Alba Law Offices and Hon'ble Mr. Justice Rajiv Sahai End law, Judge, High Court, Round Table Discussion on '*Copyright Law with Special Reference to Educational Institutions*' to commemorate the occasion of World Intellectual Property Day, organised by Campus Law Centre in collaboration with Cell for IPR Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, April 27, 2017.

Campus Law Centre in association with Dr. Surat Singh, Advocate, Supreme Court of India successfully organised "*Lecture Series on Supreme Court Lawyering*" in which Hon'ble Judges from the Supreme Court of India, High Court of Delhi, and Top Senior Advocates delivered lectures on diverse topics. Initiated in the first week of September 2017, lectures were held every week in the Campus Law Centre in the following sequence:

The Inaugural Lecture was delivered by Hon'ble Mr. Justice A.K. Sikri, Judge, Supreme Court of India on the topic "*Qualities of a top Lawyer and how to cultivate them*" on September 1, 2017.

Second Lecture of the Lecture Series was delivered by Mr. Parag P. Tripathi, Senior Advocate Supreme Court of India on the topic "*From Client Conference to Court Presentation*" on September 9, 2017.

Third Lecture of the Lecture Series was delivered by Hon'ble Mr. Justice S. Ravindra Bhat, Judge, High Court of Delhi on the topic "*How Do I Read Court File, Hear An Argument And Write A Judgment.*" on September 16, 2017.

Fourth Lecture of the Lecture Series was delivered by *Hon'ble Ms. Justice Gita Mittal, Acting Chief Justice, High Court of Delhi* on the topic "*Challenges and Opportunities for a Female Lawyer/Judge.*" on September 23, 2017 .

Fifth Lecture of the Lecture Series was delivered by *Mr. Sidharth Luthra, Senior Advocate, Supreme Court of India* on the topic "*How to Prepare a Criminal Case?*" on October 27, 2017.

Sixth and Seventh Lectures of its popular lecture included as speakers, cherished alumni of Campus Law Centre, *Hon'ble Mr. Justice Deepak Gupta, Judge, Supreme Court of India* and *Senior Advocate Mr. Mohan Parasaran, Former Solicitor General of India*. The topics chosen for these two lectures were - "*To be an Effective Lawyer, what matters most? –Connections or Competence?*"; and "*How to prepare the case for Government and Argue it before the Court*" on 11th November, 2017.

Eighth lecture the Lecture Series was delivered by *Mr. Rupinder Singh Suri, Senior Advocate and President, Supreme Court Bar Association* on the topic "*How to Make Contribution to Society Through Legal Profession*" on 17th November, 2017.

Ninth Lecture of the Lecture Series was delivered by *Dr. Surat Singh, Advocate, Supreme Court of India* on the topic of "*How to mobilize cash flow*" on November 24, 2017.

The Valedictory Lecture was delivered by *Sh. Kapil Sibal, Member of Parliament, Rajya Sabha, Senior Advocate, Supreme Court of India and Former Minister of Law and Justice and Minister of Communications and Information Technology* on the topic "*Law and Politics*" on March 26, 2018.

Mr. Justin Swinsick, Director of Graduate Admissions, at Georgetown University Law Centre, spoke on prospects of studying law at Georgetown University, October 12, 2017.

Dr. Kavita Solanki, Assistant Professor, USLLS, Guru Gobind Singh Indraprastha University, Ms. Archana Mishra, Assistant Professor, Jindal Global Law School, Ms. Latika Vashist, Assistant Professor Indian Law Institute. Prof. S. K. Verma, Secretary General, The Indian Society of International Law, Prof. Bharati Baveja, Director, Women Studies and Development Centre, University of Delhi, Prof. Ramesh C. Bhardwaj, Professor, Department of Sanskrit, University of Delhi etc adjudged the *Intellectual Beauty Contest on The Competition of Legal Rights of Women*, organised by Campus Law Centre in Collaboration with National Commission for Women, New Delhi, 25th and 26th of October, 2017.

Campus Law Centre organised *Intellectual Beauty Contest-II, Competition on Population Laws* on February 26, 2018, in the Seminar Hall, CLC to create awareness about this field of law among students. "*Does India need a Population Stabilization Law?*" The Final Round was judged by a panel of three judges, Sh. Suresh Chandra, ILS, Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India; Professor Krishan Mahajan, Additional Registrar, Supreme Court of India and Former Dean, School of Law, National Law University, Orissa and Professor (Dr.) Usha Tandon, Professor-in-Charge, Campus Law Centre.

Hon'ble Ms. Justice Mukta Gupta, Judge, High Court of Delhi inaugurated the *National Seminar on "Women with Disabilities: Law and Policy"* and the Chief Guest for the Valedictory session was Hon'ble Mr. Justice Ashok Bhushan, Judge, Supreme Court of India, organised by the Campus Law Centre to mark the occasion of International Women's Day on March 10, 2018. Resource persons included Prof. (Dr.) Nimesh G. Desai, Director, Institute of Human Behaviour & Allied Sciences (IHBAS), Ms. Seema Baquer, Director, Concerted Action (CAN), Prof. (Dr.) Usha Tandon, Professor-In-Charge, Campus Law Centre, Prof. Nilika Mehrotra, Professor, School of Social Sciences, JNU, Prof. Anita Ghai, Professor, School of Human Studies, Ambedkar University, Delhi, Ms. Roma Bhagat, Advocate, Supreme Court of India, Dr. Nachiketa Mittal, Assistant Registrar (Research), Supreme Court of India, Mr. Jai Dehadrai, Standing Counsel, Government of Goa, Mr. Pankaj Sinha, Advocate, Supreme Court of India..

Ms. Sandra Aisling Duffy, a Ph.D. scholar at the Centre for Criminal Justice and Human Rights, University College Cork, Ireland talked on *Sexual Orientation and Gender Identity Rights* organised by Debates and Discussions Society (DDS), April 7, 2017.

Ms. Pamela C. Gavin, Managing Member at Gavin Law Offices, USA talked on *The Impact of IP Protection on the Entertainment Agency*, organised by Debates and Discussions Society (DDS) of Campus Law Centre, on April 10, 2017.

Conferences Organised

Campus Law Centre co-organised a conference on *Quality Control in Preliminary Examination: Reviewing Impact, Policies and Practices* with Centre for International Law Research and Policy held at Peace Palace, The Hague, 13-14 June 2017.

Campus Law Centre co-organised a *conference project on Philosophical Foundations of International Criminal Law: Its Intellectual Roots, Related Limits and Potential* with the Centre for International Law Research and Policy with funding from the Norwegian Ministry of Foreign Affairs and the International Nuremberg Principles Academy, held at the Indian Law Institute, New Delhi, 25-26 August 2017.

Campus Law Centre in *collaboration with Mrs. Nirmal Luthra* organised International Moot Court Competition, *the 14th Edition of K.K. Luthra Memorial Moot Court Competition* in Campus Law Centre. Over 60 Universities participated in the event including International Universities such as Fitzwilliam College, Cambridge, Northumbria University Law School, University of Warwick, Bangor University Law School, University of Bristol Law School, United Kingdom, The George Washington University Law School, USA, Universitas Gadjah Mada, Indonesia, Pakistan College of Law, Lahore University of Management Sciences (LUMS), Pakistan, Sri Lanka Law College, Sri Lanka, Kathmandu School of Law, Nepal, London College of Legal Studies (South), Bangladesh and Hankuk University, south Korea, 19-21 January, 2018.

Seminar/Conference Presentations

Chakraborty, Ruchita, Presented paper, “The Idea of Social Justice and Dr. Ambedkar” in *National Seminar on Relevance of Ideas of Dr. B.R. Ambedkar in Present Time*, Sponsored by Indian Council of Social Science Research (ICSSR) and Indian Political Science Association (IPSA), Organised by Ch. Charan Singh University, Meerut, March 31- April 1, 2017.

Chakraborty, Ruchita, Presented paper, “The Higher Judiciary and Politics: With Special Reference to the National Judicial Appointment Commission”, *International Seminar on Challenges to Indian Polity: Concepts and Issues*, Organised by University of Gour Banga, Malda, West Bengal, July 20-21, 2017.

Chakraborty, Ruchita, Presented paper, “Surrogacy Contracts and the Rights of Surrogate Mothers” *International Conference on Human Rights and Gender Justice*, Organised by Indian Society of International Law, New Delhi, August 6, 2017.

Chakraborty, Ruchita, Presented paper, “The Jute Industry in West Bengal – An Analysis of the Legal Regime and Environmental Concerns”, *International Conference on Local Issues Global Resolutions: Ecology, Environment, Climate & Economy*, Organised by Raiganj University, West Bengal, January 10-11, 2018.

Chawla, Alka, Resource Person, Roundtable on *Leadership Session on ICT-related Research and Innovation contributing to the IP Ecosystem in India*, organised by IIT and European Trade and Business Council, March 6, 2018.

Chawla, Alka, Resource Person, Roundtable on *Leadership Session on ICT-related Research and Innovation contributing to the IP Ecosystem in India*, Organised by IIM, Ahmedabad, Gujarat University and European Trade and Business Council, March 9, 2018.

Chawla, Alka, Resource Person, “Copyrights and their protection” in the Faculty Development Programme on *Skill based Teacher's Training in ICT, IPR and Research*, organised by Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi, March 8, 2018.

Chawla, Alka, Resource Person, “Copyright Importance, Identification, registration and Case studies” and “Piracy and Plagiarism: Identification and Prevention in the light of Publications”, *Workshop, Training the Trainers*, organised by Cell for IP Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, GOI, at Jaipur, 19 February 2018.

Chawla, Alka, Resource Person, “Introduction and Significance of IP” and “Copyright and its Significance”, Two day Workshop on *Idea to Asset*, organised by Directorate of Research and Innovation, Nirma University and IP Protection Organization (IPPO), Ahmedabad, February 2, 2018.

Chawla, Alka, Resource Person, “Administrative Law”, 33rd International Training Programme in *Legislative Drafting for Foreign Parliamentary/Government Officials / Government Officials*, Bureau of Parliamentary Studies and Training (BPST) of the Lok Sabha Secretariat, Delhi, January 31, 2018.

Chawla, Alka, Guest of Honour, *National Seminar on IPRs: Issues and Challenges*, organised by Sharda University NCR, 19 January 2018.

Chawla, Alka, Resource Person, “Overview of Copyright Act, 1957- Legal Framework for Enforcement and Role of Police”, *Two Day Workshop* organised by The Sardar Vallabhbhai Patel National Police Academy, Hyderabad, November 27, 2017.

Chawla, Alka, Resource Person as National Expert in *IPR for European Business Trade Council at 5th Indo European IP Conference* held in SCOPE, Delhi, November 27, 2017.

Chawla, Alka, Resource Person, 'Origin & Development of the IPR Legal Regime, International & National Developments, Constitutional Imperative, Legislative Measures', *Orientation Programme on IP Rights and Enforcement for officers of DHJS and DJS* at Delhi Judicial Academy, Delhi, November 24, 2017.

Chawla, Alka: Resource Person, "Copyright Issues and Plagiarism", *IPR Awareness Workshop*, at Shivaji College, DU, organised by DIPP, IPR Chair and Centre for Science and Communication, DU, September, 27, 2017.

Jeenger, Kailash, Presented paper, "Role of RTI in Sustainable Development and Good Governance", *International Seminar on Convergence of Development, Governance and Civil Society*, organised at Department of Public Administration, University of Rajasthan, Jaipur, January 24-25, 2018.

Jeenger, Kailash, Presented paper, "Contribution of Dr. Ambedkar in the Development of Indian Labour Legislation", *National Seminar on Multi-Dimensional Personality of Dr. Ambedkar*, organised at Ambedkar Foundation, Mundala, Jaipur, December 6, 2017.

Kaur, Harleen, Presented paper, "Protection of Rights and Dignity of Women with Disabilities under the Mental Healthcare Act, 2017" in National Seminar on *Women with Disabilities: Law and Policy* organised by the Campus Law Centre, University of Delhi, March 10, 2018.

Koonan, Sujith, Delivered lecture, "Critical Approaches to Environmental Law in India" National Law University Odisha, September 25, 2017.

Mahalwar, Vandana, Resource Person, *Training Programme for Legal Officers of Myanmar*, organised by Ministry of External Affairs and Indian Law Institute, July 24-28, 2017.

Mishra, Anumeha, Presented paper, "Human Rights and Individual Obligations: Examining the Horizontal Application of Rights" in McGill Law Graduate Conference, *Governing Our Commons: What Matters to Us Today*, organised at Faculty of Law, McGill University, Montreal, Canada May 13- 14, 2017.

Mittal, Raman, Presented paper, "Mystery of Public Interest vis-à-vis Intellectual Property Construct", Seminar on *Intellectual Property Rights and Public Interest*, organised by Indian Law Institute, New Delhi, April 7, 2017.

Mittal, Raman, Presented paper, "Access to Books: Exploring the Source and Ways to Enforce", *Seminar on Copyright* organised by NLU Jodhpur, April 8, 2017.

Mittal, Raman, Resource person, "IPR Jurisprudence in the Present Day Adjudication", *Orientation Programme on IP Rights and Enforcement for Sri Lankan Judges* organised by Delhi Judicial Academy, April 19, 2017.

Mittal, Raman, Presented paper, "Copyright Law with Special Reference to Academic Institutions" *Round-Table Discussion on World Intellectual Property Day*, organised by Campus Law Centre, University of Delhi, April 27, 2017.

Mittal, Raman, Resource person, "Intellectual Property Rights on the Internet", *Training Programme for DJS*, organised by Delhi Judicial Academy, April 28, 2017.

Mittal, Raman, Resource person, "Origin & Development of Copyright", *Orientation Programme on IP Rights and Enforcement*, organised by Delhi Judicial Academy, May 19, 2017.

Mittal, Raman: Resource person, "Intellectual Property Rights on the Internet", *Training Programme for DJS*, organised by Delhi Judicial Academy, May 26, 2017.

Mittal, Raman, Presented paper, "P2P file sharing and Infringement" and "Compulsory Licenses and Statutory Licenses under Copyright Law", *Third Refresher Course for Law Teachers on Developmental Perspectives of Intellectual Property Law*, organised by Inter University Centre for Intellectual Property Rights Studies, Cochin University of Science and Technology, June 20, 2017.

Mittal, Raman, Presented paper, "Demystifying IPR in Technology Transfer: Licensing Concerns" Webinar organised by Indian Institute of Corporate Affairs, June 30, 2017.

Mittal, Raman, Presented paper, "Copyright Remedies Breach vis-à-vis Infringement: The Contract-Property Frontier", *Seminar on Intellectual Property*, organised by National Law University, Delhi, July 3, 2017.

Mittal, Raman, Presented paper, “IPR Jurisprudence in India” organised by Cochin University of Science and Technology at Cochin, July 17, 2017.

Mittal, Raman, Presented paper, “Digital Licensing: Managing Digital Rights in Libraries” organised by National Law University, New Delhi, August 9, 2017.

Mittal, Raman, Resource person, “Fundamentals of Copyright”, FICCI-IPO Awareness Program on Intellectual Property Rights, organised by University of Delhi, 15 September 2017.

Mittal, Raman, Presented paper, “Leveraging IPR Ecosystem for Accelerating Startups: Brand Commercialization through Licencing”, organised by University of Delhi at PHD House, November 24, 2017.

Mittal, Raman, Resource person, “IPR Adjudication”, Training programme for judges, organised by Delhi Judicial Academy, November 24, 2017.

Mittal, Raman, Resource person, “IPR Jurisprudence in the Present Day Adjudication”, Training programme for Sri Lankan judges, organised by Delhi Judicial Academy, December 09, 2017.

Mittal, Raman, Resource person, “IPR Jurisprudence”, Training programme for Bangladesh judges, organised by Delhi Judicial Academy, January 16, 2018.

Mittal, Raman, Presented paper, “IP Issues in the Online Platforms: Role and Responsibility of Internet Intermediaries”, 2nd Asia-Pacific Workshop on Innovation, Intellectual Property and Competition, organised by National Law University Delhi, February 6, 2018.

Nagarwal, Narender, Presented paper, “Injustice, Intimidation and Intolerance-Arguing the Indian Variety of Communalism and Legislative Response”, in the National Seminar on Equality, Discrimination and Differences in Globalised World, organised at Department of Law, University of North Bengal, Darjeeling, 9-10 September 2017.

Nagarwal, Narender, Presented paper, “Law, Governance and State Regulations of Industrial Relations In A Globalized Era-An Assessment”, International Conference on Recent Innovation in Management, Accounting, Business and Entrepreneurship, organised at Department of Management Studies, University of North Bengal, Darjeeling, 22-24 November, 2017.

Nagarwal, Narender, Presented paper, “Media Violence, Minorities and Legislative Apathy: An Analysis through the Prism of Constitutional Scheme of Secularism”, International Seminar on Reinventing Nationalism-Secularism and Plurality-Media Discourse and Deconstruction, organised at Department of Communication and Journalism, Guwahati University, Guwahati, Assam, India in collaboration with Department of Mass Communication, Mizoram University, Aizawl, India, November 11-12, 2017.

Namrata, Gupta, Presented paper, “Live in relationship an emerging concept”, National Seminar on Family Law: Contemporary Issues and Challenges, on 26th February, 2017.

Neha, Presented paper, “Human Rights of Persons with Disabilities” in International Conference on Human Rights and Gender Justice organised by the Knowledge Steez & Youth for Human Rights India, August 6, 2017.

Neha, Presented paper, “United Nation Convention on the Rights of Persons with Disabilities: A Human Right Approach”, National Seminar organised by Jamia Millia Islamia University, November 1, 2017.

Neha, Presented paper, “Higher Education and Persons with Disabilities” in National Seminar on Rights of Persons with Disabilities: Contemporary Developments, organised by Law Centre –II, University of Delhi in collaboration with Association of Disabled People, February 12, 2018.

Neha, Presented paper, “Abuse and Denial of Sexual and Reproductive Rights of Women with Disabilities in India”, National Seminar on Women with Disabilities: Law and Policy, organised by Campus Law Centre, March 10, 2018.

Raina, S.C, Presented paper, “Comparative Analysis of Criminal Law in India and France”, International Conference on Comparative International Law, organised by Sookvi University, Taiwan, February 16, 2018.

Raina, S.C., Conference Director, National Conference on Paradigmatic Shifts in Law and Justice in 21st Century: Challenges & Opportunities, organised by HPNLU, Shimla at Shimla, December 8-10, 2017.

Raina, S.C, Delivered Lecture, “Possibilities of Standardizing Legal Education Internationally”, Global Dean's Conference at Symbiosis Law School, Pune, July, 2017.

Singh, Kshitij Kumar, Resource Person, FICCI-IPO IPR Awareness Program 2017 (A Government of India Initiative), Amity University UP (NOIDA Campus), Noida, August 25, 2017.

Singh, Kshitij Kumar, Resource Person, National Conference on Intellectual Property Rights at PHD Chamber of Commerce and Industry August Kranti Marg New Delhi, November 24, 2017.

Singh, Kshitij Kumar, Keynote Speaker, National Conference on Environment Law, Health and Sustainable Development, organised by CHESD in association with Ministry of Environment & Forests and Climate Change, Siddhartha Law College, Dehradun, January 7, 2018.

Singh, Kshitij Kumar, Resource Person, One Week (6 days) Professional Skill Development Training Program on IPR, organised at Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM), Government of India, Nagpur, January 15-20, 2018.

Singh, Kshitij Kumar, Resource Person, FICCI-IPO Awareness Program on Intellectual Property Rights, organised by FICCI in collaboration with IPO Government of India at Jamia Millia Islamia, New Delhi, February 9, 2018.

Singh, Kshitij Kumar, Resource Person, One-Day Training Program on Intellectual Property, ONGC Academy Dehradun, March 22, 2018.

Singh, Kshitij Kumar, Resource Person, National IPR Policy and Innovation, organised by SAGE University and sponsored by NRDC Ministry of S&T, Government of India at Indore, March 24, 2018.

Singh, Seema: Presented paper, "Interface between Law and Economics-The Indian Experience" in an International Conference, on *Global Challenges and Solutions*, organised at Lucknow University, April 14-15, 2018.

Singh, Seema: Presented paper, "One Nation One Election Theory- How Practical is the Idea to Implement in India", *Conference on One Nation One Election*, organised by Rambhau Mhalgi Prabodhini Trust" and Indian Council of Social Science Research" at Thane, Mumbai, January 20-21, 2018

Tandon, Usha, Chief Guest, *National Seminar on Emerging Issues in Environmental Law: National Perspective*, organised by ICFAI University, Dehradun, March, 30-31, 2018.

Tandon, Usha, Guest of Honour, *International Seminar on Women and Law*, at Indian Law Institute, New Delhi, organised by Law Mantra, January, 13, 2018.

Tandon, Usha, Chaired a Session, "Role of Judicial Precedents in Shaping Environmental Jurisprudence", *National Seminar on Emerging Issues in Environmental Law: Indian Perspective*, organised by ICFAI University, Dehradun, March, 30-31, 2018.

Tandon, Usha, Chaired a Session, *National Seminar on Women with Disability*, organised by Campus Law Centre, University of Delhi, March, 10, 2018.

Tandon, Usha, Chaired a Session, *SEE Summit: Decoding Quality Education*, organised by Central Academy Jodhpur, at Jodhpur, December, 16, 2017.

Tandon, Usha, Chaired a session, "Fundamental Legal Goods Protected by International Criminal Law", *International Conference on Philosophical Foundations of International Criminal Law: Its Intellectual Roots, Related Limits and Potential*, organised by CILRAP at Indian Law Institute, New Delhi, August 25-26, 2017.

Tandon, Usha, Chaired a session, "The Normative Framework of Preliminary Examinations", *International Conference on Quality Control in Preliminary Examinations: Reviewing Impact, Policies and Practices*, organised by CILRA, at Hague, Netherlands, June 13-14, 2017.

Tandon, Usha, Presented paper, "Preliminary Examination of Rape and Other Forms of Sexual Violence in International Criminal Law: A Feminist Analysis", *International Conference on Quality Control in Preliminary Examination: Review of Impact, Policies and Practices*, organised by CILRAP at Hague, Netherlands, June, 13-14, 2017 .

Tandon, Usha, Panelist, "Right to Food in India- Rising Population and Shrinking Pie", *National Seminar on Unadulterated Food, Pure Water & Clean Air are our Rights U/A 21: Whether Government Ensures these Rights?*, organised by TAXAB at Indian Society of International Law (ISIL), May 14, 2018.

Tandon, Usha, Presented paper, "Renewable Resources to Combat Climate Change", *International Conference on Climate Change: Impact and Responses organised by Common Ground Research Networks*, University of Illinois, USA at Cambridge, United Kingdom, April, 21-22, 2017.

Tandon, Usha, Resource person, "Air (Prevention and Control of Pollution) Act, 1981", *Training Programme for Water and Air Quality Monitoring, Sampling, Analysis and Data Management*, sponsored

by Department of Environment, Govt. of Haryana, at Haryana Institute of Public Administration, Gurugram, April 17, 2018.

Tandon, Usha, Panellist, “Trafficking of Persons (Prevention, Protection and Rehabilitation) Bill, 2018”, *International Conference on Human Trafficking: Legal and Technological Perspectives for Solutions within South Asia*, at India International Centre, N.D. organised by SAARCLAW, March 24, 2018.

Tandon, Usha, Delivered Seminar Lecture, “Legal Issues in Paris Agreement and Developing Nations” at South Asian University, March 22, 2018.

Tandon, Usha, Resource person, “Feminist Critique of Disaster Management Act, 2005”, *International Conference on Reinforcing Institutional Decision Making in Disaster Preparedness and Mitigation*, organised by Special Centre for Disaster Research, Jawahar Nehru University, New Delhi, at JNU, Feb. 16-18, 2018.

Tandon, Usha, Delivered lecture, “Judicial Interpretation of Domestic Violence Act, 2005” at Banaras Hindu University, Faculty of Law, January, 23, 2018.

Tandon, Usha, Delivered Keynote Address, “Role of NGT in the Protection of Environment: Innovative Techniques for Progressive Environmental Jurisprudence”, Session on “Environmental Degradation & Environmental (in) Justice”, *National Conference on Paradigm Shifts in Law and Justice in 21st Century: Challenges & Opportunities*, organised by HPNLU, Shimla, at Shimla, December 8-10, 2017.

Tandon, Usha, Thematic Expert, *National Consultation on Applicability of Pre-Nuptial Agreements in India*, organised by National Commission of Women, New Delhi, at NCW office, August 18, 2017.

Tandon, Usha, Panelist, “Strengthening Human Rights Jurisprudence with special Reference to Women”, *Sensitization Program on Human Rights and Law*, organised by Delhi Judicial Academy, Delhi, April 1, 2017.

Tyagi, Neelam, Presented paper, “The International Criminal Court for Combating Impunity: Past, Present and Future”, *46th Annual Conference*, organised by The Indian Society for International Law, New Delhi, April 29-30, 2017.

Tyagi, Neelam, Presented paper, “Emerging Role of Arbitration in Resolving Intellectual Property Right Disputes: Scope and Need”, *International Conference on Alternative Dispute Resolution*, organised by Sharda University, Greater Noida, February 16, 2018.

Vandana, Presented paper, “Clinical Legal Education: Challenges Faced by the Central Universities in India”, *9th GAJE Conference*, held in Mexico, on December 5, 2017.

Yadav, Anita, Presented paper, “Right to Abortion: Time to Revisit the Medical Termination of Pregnancy – MTP Act, 1971” in *National Conference on Gender Exfoliation: Legal Dynamics*, organised at ICAFI Law School Hyderabad, November 18-19, 2017.

Yadav, Anita, Presented paper, “Protection of Environment during armed conflict: A Silent causality of war” in *47th Annual Conference of the Indian Society of International Law (ISIL)*, organised at ISIL Delhi, May 12, 2018.

Yadav, Anita, Presented paper, “Non- International Armed Conflicts: A Contemporary Challenges In International Humanitarian Law” in *National Conference on International Humanitarian Law* organised by All India Law Teacher Congress & International Committee of the Red Cross (ICRC), at ISIL Delhi, June 16th 2018.

Yadav, Anita, Presented paper, “Protection of Child Rights during Armed conflict: The Dichotomy between Rhetoric and Reality” in *International Conference on Protection of Women and Children Rights: Issues and Challenge* organised by Law Mantra, at Indian Law institute (ILI) Delhi, June 16, 2018.

Yadav, Anita, Resource Person, *International Conference on Protection of Women and Children Rights: Issues and Challenge*, organised by Law Mantra, at Indian Law institute (ILI) Delhi, June 16, 2018.

Yadav, Anita, Resource Person, *3rd National Conference on Human Rights and gender Justice* organised by Knowledge Steez, at Indian Law institute (ILI) Delhi, June 23, 2018.

Other Inter-Institutional Collaboration

Various events were organised in collaboration with DSLSA (Delhi State Legal Services Authority, New Delhi).

Conferences were organised in collaboration with the Centre for International Law Research and Policy, Belgium.

Intellectual Beauty Contests were organised in collaboration with National Commission for Women, New Delhi.

Students under Exchange Programme

Mr. Itay Abramovitch from Israel studied one semester at CLC on casual affiliation for the Academic year 2017-18.

Placement Details (Number and percentage of students placed)

Nine (9) Students of the Campus law Centre were provided with the Job Opportunities with Tata Power, Singh and Associates, Alba Law Partners, Actus Legal Associates, Advocate Neelima Tripathi, MCO Legal, and Legistify in addition to around Forty (40) Students who were provided with the internship opportunities with Hon'ble Ms. Justice Sangita Dhingra Sehgal and other Senior Advocates, NGOs, top law firms and corporate houses such as MCO Legal, Legistify, Singh and Associates, Tata Power, Alba Law Partners, P&A Law Offices, A2z Group, Tri Legal, Actus Legal, Forum For Trade Remedies, Eastman Auto And Power Ltd, Bharucha And Partners, Khaitan & Co. etc.

Extension and Outreach Activities

Under the flagship of Hon'ble Ms. Justice. Gita Mittal, DSLSA has initiated a Door to Door Mass Legal Literacy Campaign Anganwadi Project: Dehleej in June, 2017 in which Para Legal Volunteers (PLVs) from CLC participated.

PLVs from CLC assisted the South, Central & West DLSA DLSA in establishing these Help Desks in traffic courts in Saket Court and Tis Hazari Courts Complex on July 6, 2017.

PLVs from CLC Participated in the National Lok Adalat at Saket Court and Karkardooma Court Complex on July 8, 2017.

PLVs from CLC Participated in a Legal Literacy class on "Environment-Protection, Preservation, Conservation and Maintenance" organised by South DLSA to empower panel advocates and PLVs regarding the various Laws and Policies related to Environment Protection and various latest Judgments of NGT in this regards at Saket court complex on July 17, 2017.

PLVs from CLC assisted the South DLSA in setting Help Desk In Traffic Courts at Saket Courts Complex on July 19, 2017.

PLVs of CLC participated in National Seminar on "Role of Law Schools' Legal Aid Clinics in Facilitating Access to Justice" Organised by NALSA on July 31, 2017.

Activities undertaken by the Legal Aid Society, CLC

In the academic year 2017-18 Legal Services Clinic in Campus law Centre assisted more than 140 Cases in various Legal Aid matters.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Majnu Ka Tila, September 6, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Bengali Colony, September 6, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Andha Mughal and Peer Bagichi, September 13, 2017

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Shakti Nagar Railway Bridge and Nandlal Jhuggi, Gopalpur, September 19, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Indira basti and Sanjay basti, September 26, 2017.

Legal Aid Society, CLC in association with DSLSA organised Para Legal Volunteers Training at CLC, October 13-14, 2017

Legal Aid Society, CLC in association with DSLSA organised Tihar Jail visit, October 24, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Aadhar Card Camp & Community Outreach, March 19 and 23, 2018 at Burari and Timarpur respectively.

Legal Aid Society, CLC in association with DLSA organised Awareness Programme on AIDS, HIV Testing, Counselling and Poster Making Competition in Campus law Centre on April, 7, 2018.

Faculty Strength

10 permanent faculty members (3 on leave.)

28 Full Time Ad-Hoc

7 Guests

After January 30, 2018 Regular Appointments to the post of Assistant Professors were made therefore, now 48 Permanent Faculty Members (3 on leave).

Other Significant Information

With a view to spread awareness and sensitivity in virtues of sanitation and cleanliness which was a positive step towards the achievement of the Swachh Bharat Abhiyaan (Clean India Mission), a *Swachhta Pakhwada, 2017* was organised by Campus Law Centre, University of Delhi, to spread the message of cleanliness, not only among students but also in surrounding areas. Various events were organised under the Supervision of Professor-In-Charge Prof. (Dr.) Usha Tandon. The initiative commenced with a Pledge Taking Ceremony on September 7, 2017 followed by the cleanliness drive on September 11 2017 in the Campus Law Center, the Poster Making Competition on September 14, 2017 in the Auditorium at the Campus Law Centre and was concluded with a Tree Plantation Drive on September 15, 2017 in the garden area at the Campus Law Centre.

Tandon, Usha, Member, Delhi State Legal Services Authority, March, 03, 2018 to March, 02, 2020.

Tandon, Usha: Expert Member for the Selection Committee Meeting for the post of Assistant Professors, Management and Engineering Research Institute, New Delhi, February, 12, 2018.

Tandon, Usha: External Expert for Senior Research Fellow, Faculty of Law, Banaras Hindu University, January, 23, 2018.

Tandon, Usha: Expert Member, Selection Committee Meeting for the post of Research Associate and Research assistant, ICPS, at Lok Sabha January, 13, 2018.

Raina, S.C, Expert, Framing legal curriculum and pedagogy at Nirma Institute of Law, Ahmedabad in September, 2017.

Raina, S.C, Inaugurated two national seminars one at Dehradun and another in Gwalior in the month of March, 2018.

Raina, S.C: conducted first National Law Entrance Test for HPNLU separate from CLAT in April-May, 2017.

The Campus Law Centre Student's Union with its President Mr. Achint Kumar conducted an Intra-Moot Court Competition (Arguendo 2017) on March 4-5, 2017.

Legal Aid Society, CLC in association with DSLSA organised Para Legal Volunteers Training for students of Campus Law Centre in the seminar hall of CLC on October 13-14, 2017.

The Debate and Discussion Society organised CONFERO- A National Debate Competition on "Right to Information is being Grossly Misused" was organised on April 16, 2018. The Panelists were Mr. Subash Chandra Agrawal, RTI activist and Guinness Record Holder and Assistant Professor, Campus Law Centre, Dr. Rohit Moonka.

LAW CENTRE I

Major Activities and Achievements

Law Centre – I (LC-I) of the Faculty of Law, under the leadership of Prof. Ved Kumari has been at the forefront of academic, and co-curricular activities during 2017-18. LC-I organised a short-term course on GST, which was the outcome of a seminar on GST organised in collaboration with GSTStreet on 26th September 2017. Further, LC-I organised its hallmark moot event, the XIVth LC-I, All Delhi (NCR)

Moot Court Competition on 31st March 2018. On the co-curricular front, the Legal Services Society (LSS) of LC-I has been actively engaged in providing legal aid and awareness to people in Delhi. The Paralegal Volunteers (PLVs) have been working very closely with the Delhi State Legal Services Authority (DSLISA) and have successfully executed several projects assigned to them by DSLISA.

Publications

Devi, P. (2017). Criminal Jurisdiction of State under International Law. *Army Institute of Law*, X, 258-268.

Khaute, K. M. (2017). The Mental Healthcare Act 2017- An Inclusive Approach to Health in India. *International Journal of Law and Policy Review*, 7(1), 113-133.

Kumari, V. and Barn, R. (2017). Sentencing in Rape Cases: A Critical Appraisal of Judicial Decisions in India. *Journal of Indian Law Institute*, 39(1), 1-25.

Lekhi, P. and Khaute, M. (2017). Appointment of the Chief Minister: Governor's Discretion or Constitutional Duty? *International Journal of Legal Studies and Research*, 6(2), 224-233.

Mallaya, S. and Sinha M. (Ed). (2017). *Emerging competition law*. Gurgaon, Haryana: Wolters Kluwer.

Mallaya, S. (2017). Competition law and copyright law in India: An interface. *Company Law Journal*, (3), 61-68.

Mallaya, S. (2017). Emerging jurisprudence of competition law and intellectual property rights in India: Issues and challenges. *Indian Bar Review*, 44 (3), 107-123.

Mallaya, S. (2018). Documentary credit and money laundering: An overview. *Chartered Secretary*, 48 (4), 72-74.

Mallaya, S. (2017). Competition law and consumer welfare. In Sairam Bhat (ed), *Privatization and globalization, changing legal paradigm*, 146-157. Kolkata, West Bengal: Eastern Law House.

Mallaya, S. (2017). Abuse of dominance and the doctrine of essential facilities: An interface. In Mallaya, Susmitha & Sinha Manoj (eds.) *Emerging Competition Law*, 161-175. Gurgaon, Haryana: Wolters Kluwer.

Ranjan, P. and Anand, P. (2017). The 2016 Indian Model Bilateral Investment Treaty: A Critical Deconstruction. *Northwestern Journal of International Law and Business*, 38(1), 1-55.

Ranjan, P. and Anand, P. (2018). Investor State Dispute Settlement in the 2016 Indian Model Bilateral Investment Treaty: Does It Go Too Far? In Chaisse, Julien and Nottage, Luke (Eds), *International Investment Treaties and Arbitration Across Asia*. Leiden/Boston: Brill Nijhoff.

Sharma, A. (2017). Judiciary and Good Governance: The Recent Trends in India. In Kumar, Vijender *et al* (Eds), *Law, Judiciary and Governance, A Festschrift in Honour of Prof. Mool Chand Sharma*. 127 – 144, Gurgaon, Haryana: Universal Law Publishing [an imprint of LexisNexis].

Sharma, A. (2017). The Functionaries under the Protection of Women from Domestic Violence Act, 2005: A Critical Analysis, *National Capital Law Journal*, XVI, 173-185.

Singha, S. (2018). Right to Education in India: A Reflection on the Act of 2009. In Mishra, Dr. Priyamvada (Ed.). *Right to Education in India: A Reflection on the Act of 2009*. 28-40. New Delhi, Delhi: Radha Publications.

Tripathi, V. R. (2017). Appointment of Judges in India: Collegium System versus National Judicial Appointment Commission. In Singh, Dr. Ajay Kr (ed.) *Human Rights and the Indian Constitution*. 158-175. Ghaziabad, Uttar Pradesh: Academic & Research Publication.

Tripathi, V. R. (2017). Empowerment of Women through Protection of Traditional Knowledge. In Singh, Ajay Kr (Ed.) *Legal Rights of Women in India* (159-169). Ghaziabad, Uttar Pradesh: Academic & Research Publication.

Tripathi, V. R. (2017). Procedural improvements in Trial of Civil Cases. *Indian Journal of Socio Legal Studies*, 6 (1), 84-94.

Verma, S. (2018). The Doctrine of Doli Incapax: Retributable Presumption and Adult Responsibility Vis-À-Vis Juvenility. *International Journal of Innovative Research & Studies*, 8(III), 480-490.

Journals published by the Centre – 01

Journal of Law Teachers of India, Vol. 6, No. 2, 2015-16 (published in 2017).

Number of teachers serving as Editor(s)/Member(s) of Editorial Board – 03

Kumari, Ved: Member, Editorial Board of Journal of National Human Rights Commission, Vol. 16, 2017.

Kumari, Ved: Member, Editorial Board of the Delhi University Journal of the Humanities and Social Sciences, Vol. 4, 2017.

Khaute, Mercy K.: Member, Editorial Board of International Journal of Legal Studies and Research, Vol. 7, No. 1, 2018.

Mallaya, Susmitha: Member, Editorial Board of Annual Survey of Indian Law, Indian Law Institute, 2017.

Research Projects

University Grants Commission and the Ministry of Human Resource & Development, Govt. of India, *E-Pathshala (Criminology) Project* at the National Law University, Delhi, 1 year 6 months, Munjal-Shankar, Diksha, Project Coordinator, Total amount: Rs. 1crore 7 lakhs (approx.), Amount received in 2017-18: Rs. 90 lakhs (approx.).

Ministry of External Affairs, Government of India, *National Report, India for the Universal Periodic Review-III* (2016) prepared and submitted to the Human Rights Council, United Nations, Munjal-Shankar, Diksha, Member of the drafting committee and research team, Total amount: Rs. 22 lakhs, Amount received in 2017-18: Rs. 9 lakhs (approx.).

Seminars Organised

Prof. Kamal Puri, Queensland University of Technology chaired seminar on *Rising Significance of Intellectual Property with special reference to Exhaustion of Intellectual Property Rights*, 3rd April, 2017.

Justice G.P. Mittal, Member, Competition Commission of India, Sh. Vinod Dhall, Former Chairperson, Competition Commission of India, Mr. Kamal Sultanpuri, Deputy Director, CCI (Legal Division), et al, Seminar on *Introduction to Competition Law and Policy*, 10th April, 2017.

Prof. Ioannis Kokkoris, Professor of Law & Economics, Queen Mary University of London addressing the students of LC-1 on *Competition Law: Cases on Google for breaching Competition Legislation* in collaboration with Queen Mary University London on 15th September 2017.

Abhijit Narayan, Corporate Lawyer, Frankfurt, Germany, *Studying & Practising Corporate Law Abroad*, 9th October 2017.

Prof. Harjinder Singh Lali, Warwick Manufacturing Group, University of Warwick, *Cyber Law: How to conduct Digital Forensics Investigations*, 22nd November 2017.

Seminar/Conference Presentations

Anand, Pushkar, presented paper, *Investment Protection at the Cost of Tribal Rights? Rethinking Indian International Investment Agreements*, The South Asian International Economic Law Network (SAIELN) Inaugural Conference, organised by Jindal Global Law School, Sonapat, India, April 29-30, 2017.

Anand, Pushkar, presented paper, *Re-evaluating International Investment Agreements in South Asia and South East Asia vis-à-vis Rights of Indigenous People*, 6th Asian Society of International Law (Asian SIL) Biennial Conference, Seoul, South Korea, August 25-26, 2017.

Bharati, Alka, presented paper, *Legal Regime of Biodiversity Conservation: An Overview*, National Conference on Emerging Environmental Challenges and Sustainable Development, jointly organised by Swami Shraddhanand College, University of Delhi, New Delhi and Society for Environment and Development, (SED India), New Delhi, March 21-23, 2018.

Devi, Pooja, presented paper, *Conflict of State in relation to Criminal Jurisdiction under International Law*, National Seminar on Crime, Society and the State, organised at Rayat College of Law, Punjab, March 29, 2017.

Devi, Pooja, presented paper, *Extraterritoriality v. Sovereignty*, National Seminar on Challenges to Human Security in 21st Century, organised by Army Institute of Law, Mohali, Sept. 16, 2017.

Devi, Pooja, presented paper, *The status of Human Right to Education in India*, National Seminar on Human Right Education, organised at Himachal Pradesh University, Shimla, May 11, 2018.

Khaute, Mercy. K., resource person, *Revisiting the 'Social Construct' for an effective Healthcare Delivery in India*, International Symposium on Law in Medicine jointly organised by Dillons Kidney Foundation & West Bengal National University of Juridical Sciences, September 9-10, 2017.

Kumari, Meena, presented paper, *No Fault Theory of Divorce and Talaq: Historical Development and Relevance*, International Seminar on Movements, Literature and Society: New Perspectives, jointly organised by Shyam Lal College (Evening) and Internal Quality Assurance Cell (IQAC) of SLC-E, March 17, 2018.

Kumari, Ved, presented paper, *Sentencing in Rape Cases: A Critical Appraisal of Judicial Decisions in India* with Prof. Ravinder Barn in International Meeting organised by Law and Society Association in Mexico, June 19-24, 2017.

Mallaya, Susmitha, resource person, Right to Clean and Healthy Environment and Right to Development, International Conference on Law and Justice, organised by Amity Law School, Amity University, Uttar Pradesh, Feb 3, 2018.

Mallaya, Susmitha, resource person, *Litigating Equality: Are Human Rights Effective?* National Seminar organised by Delhi Metropolitan Education affiliated to Guru Gobind Singh Indraprastha University, New Delhi, Nov 11, 2017.

Munjal-Shankar, Diksha, presented paper, *Handling Childlessness: Alternatives & Decision-making*, National Seminar on Surrogacy and Adoption, organised by Faculty of Law, University of Delhi, April 13, 2017.

Ratnabali, K., Keynote address, Academic Session III of the two day National Seminar, *Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics*, organised by the Department of Anthropology, University of Delhi, 2-3 October 2017.

Sharma, Dr. Alok, presented paper, *Critical Analysis of Proposed Bill on Surrogacy in India*, National Seminar on Surrogacy and Adoption, organised by Faculty of Law, University of Delhi in collaboration with SGT University, Gurgaon at Faculty of Law, University of Delhi, April 13, 2017.

Sharma, Dr. Alok, resource person, *Domestic Violence in India*, One Week National Workshop cum Faculty Development Programme on “Multi- Disciplinary Approach in Law and Applicability of Research in Management”, organised by Ideal Institute of Management and Technology (School of Law), Delhi, July 21st, 2017.

Sharma, Dr. Alok, delivered lecture, *Definition of Respondent under Domestic Violence Act: Legislative Interpretation to Judicial Interpretation*, Faculty Lecture Series, organised by Law Centre-I, Faculty of Law University of Delhi, March 26, 2018.

Taneja, Dr Sarbjit, delivered Lecture “*Amendments to the Constitution*” in the Institute of Constitutional and Parliamentary Studies, Vithhalbhai Patel House, Rafi Marg, New Delhi – 110001 on September 15, 2018

Taneja, Dr Sarbjit, resource person, Faculty Development Programme organised by Faculty of Law, University of Delhi, Delhi on March 03-09, 2018

Taneja, Dr Sarbjit, chaired a Technical Session on *Behavioral Aberrations, Morality and Law* in the Conference on Law and Behaviour: Individual, Social and Organisational Perspective organised by Vivekananda Institute of Professional Studies, Delhi on February 17, 2018

Taneja, Dr Sarbjit, Member, Organizing Committee in National Law Day 2017 on Balancing Roles of three wings of the State towards India’s Development jointly organised jointly by Law Commission of India and Niti Ayog at Vigyan Bhavan, New Delhi on November 25-26, 2017

Taneja, Dr Sarbjit, attended Faculty development Program on e-Learning, MOOCs and ICT Tools for Blended Learning (Ministry of HRD, Government of India) organised by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi from 2.7.2018 to 7.7.2018.

Tripathi, Dr. Vikesh Ram, presented paper, *Impact of Socio-Legal Factors on Naxalism in India: Empirical evidences from Chhattisgarh*, Annual National Conference of Association of the Socio-Economic Development (ASEDS), organised by Dr. Ram Manohar Lohia Avadh University, Faizabad, U.P., December 11-12, 2017.

Tripathi, Dr. Vikesh Ram, presented paper, *Legal regulation of electronic Media in India: Issues and Options*, National Seminar on Women and Media, organised by Department of Sociology Govt. D.B. Girl’s P.G. College, Raipur, February 27-28, 2018.

Tripathi, Dr. Vikesh Ram: Presented a paper titled “Legislative and judicial control of Women in Media: An Analysis from Indian Perspective” in a National Seminar organised by Kushabhau Thakre University of Journalism and Mass Communication, Raipur, October 27-28, 2017.

Tripathi, Dr. Vikesh Ram: Presented a paper titled “Role of WIPO in the Settlement of Cross Border IP Disputes” in 47th Annual National Conference of Indian Society of International Law, New Delhi, May 12-13, 2018.

Verma, Dr. Shivani, presented paper, *Transgender: The Condemned Third Gender*, National Conference on the Marginalized Groups in India: Legal Mechanism to Combat Inequalities, organised by Vivekananda Law School. April 1, 2017.

Extension and Outreach Activities

The Legal Service Society (LSS) observed the Legal Service Day on 9th November 2017. The society organised a quiz competition and talk session related to the legal services. Dr. Anurag Deep, Kumar Shanu and Dr. AP Singh were the speakers for the Talk session on ‘PIL and RTI: Legal Tools for Access to Justice.’

The Skit and Play team of the Legal Services Society (LSS) of Law Centre – I, performed Nukkad Natak at Tihar and Rohini Jail premises on 11th November, 2017 and at Karkardooma Court premises on 10th November, 2017.

As a part of projects assigned by Delhi State Legal Services Authority (DSLISA) to para legal volunteers from the LSS, a team of 39 volunteers was assigned ‘Anganwadi Project’ which was executed from 13th November to 25th November 2017. Further 25 paralegal volunteers executed the ‘Door to Door campaign’ from 10th November to 20th December 2017.

The Skit and Play team of the Legal Services Society (LSS) of Law Centre – I, performed Nukkad Natak at the Mega Legal Services and Awareness Camp organised by Delhi State Legal Services Authority on 3rd February 2018 at Kendriya Vidyalaya, Vigyan Vihar.

Faculty Strength: 56

Other Significant Information

LC-I organised the XIVth LC-I, All Delhi (NCR) Moot Court Competition, 2018 on 31st March 2018.

Five workshops on ‘Applied Criminal Law’ in collaboration with Adyopant Legal Services, on 16th and 25th February, 3rd March, 8th and 15th April 2017.

LAW CENTRE-II

Major Activities and Achievements

Law Centre II of the Faculty of Law has witnessed a flurry of academic and extracurricular activities during 2017-18 under the aegis of Professor-in-Charge, Dr. V.K. Ahuja. It organised the first of its kind event namely Mr. & Ms. International Law Competition on 28th Feb. 2018. A new Lecture Series titled SAMVAD was launched at the Centre which afforded opportunities to teachers and students alike to interact with legal luminaries during Jan.-March 2018. Further, Centre-II, in collaboration with Association of Disabled People organised a day-long National Seminar on ‘Rights of Persons with Disabilities: Contemporary Developments’ on 12th February 2018, which was inaugurated by the Chief Guest Mr. Pranab Mukherjee, former President of India. Continuing with the significance of law mooting, LC-II in association with Indian National Bar Association organised the 2nd National Level Moot Court Competition called ‘JUSTIFIED 2017’ between 31st March to 2nd April 2017. The mooting event was unique in the sense that it was India’s First Data Privacy and Cyber Law Moot Court Competition. Building up on its success, the Centre organised the 3rd ‘JUSTIFIED 2018’ between 23rd- 25th March 2018.

Publications

Acharya A. (2018). Admiralty law in India: Contemporary challenges and solutions. In Gardener, Kiran (ed.) *Lex Et Societatis; Contemporary Legal Issues*. 586-592. Delhi: Infinity Publications.

Acharya, A. (2017). Jurisdiction issues in admiralty matters: A critical analysis of emerging Indian law. In Kumar, Ashish (ed.) *Contemporary developments in international law: Some random reflections*. 57-70. Delhi: Satyam Law International.

Ahuja, V. K. & Vashishth, Archa. (2017). Right to health in India: An analysis of constitutional, human rights and IPRs provisions. In Vijender Kumar (et. al., Eds.) *Law, judiciary and governance: A festschrift in honour of Professor Mool Chand Sharma*. 291-305. Delhi: Universal Law Publishing.

- Ahuja, V. K. (2017). Right to education in view of copyright protection: Contemporary developments in law, justice and development. In TSN Shastri & Durgambini Patel (eds.) *Law, Development and Justice: Conference Proceedings*. 223-235. Pune, Maharashtra: Savitri Bhai Phule University.
- Ahuja, V.K. (2017). Marrakesh treaty to facilitate access to published works for visually disabled: Putting an end to global book famine. In Manoj Kumar Sinha and Vandana Mahalwar (eds.) *Copyright law in the digital world: challenges and opportunities*. 97-107. Singapore: Springer & ILI.
- Chaudhary, M. (2017). The Criminal Law Amendment Act, 2013 and the Road Ahead. *Journal of the Campus Law Centre*, IV&V, 62-85.
- Deswal, V. (2017). Categorization of rapes. In Paper 7: Women and Law as part of Gender Studies course in *E-PGPathshala of UGC and MHRD* (uploaded in July, 2017). Retrieved at <https://epgp.inflibnet.ac.in/ahl.php?csrno=456>
- Deswal, V. (2017). Section 498A of the IPC, 1860 revisited: A critical analysis. *MDU Law Journal*, Vol. XVIII, 52-64.
- Deswal, V. (2017). Rape: The worst crime against womanhood. In Women and Law as part of Gender Studies course in *E-PGPathshala of UGC and MHRD*. <https://epgp.inflibnet.ac.in/ahl.php?csrno=456>
- Jha, A & Kaul, J. L. (2018). *Shifting horizons of public international law: A south Asian perspective*. Singapore: Springer Publication.
- Jha, A. et. al. (2017). Round tripping and treaty shopping: Controversies in bilateral agreements & remedies forward: The double taxation avoidance agreement (DTAA) between Mauritius & India and the dilemma. *Kathmandu School of Law Review*, 5 (2), 29-41.
- Jha, A. (2017). Reports on international organizations and bodies, 16 United Nations General Assembly (UNGA). In *27 Yearbook of International Environmental Law*. London: Oxford University Press. 1-9.
- Jha, A. (2018). The law on trafficking in persons: The quest for an effective model. *Asian Journal of International Law*, 8 (1), 225-257.
- Kalon, M. S. and Sharma, S. (2017). Role of forensic science in administration of justice in the Indian legal system. *National Capital Law Journal*, XVI, 64-77.
- Kumar, A. (2017). *Contemporary developments in international law: Some random reflections*. Delhi: Satyam Law International.
- Mahipal, N. (2018). A study on the impact of the world constitutions on the framing of Indian constitution. *International Journal of Legal Research and Studies*, 3 (1), 134-138. Retrieved from <http://www.ijlrs.com/papers-vol3-issue1.php>
- Mahipal, N. (2017). *An introduction to insurance laws*. Allahabad, UP: Central Law Publications.
- Minz, N. (2018). Suppression of freedom of expression: the criminalization of artistic creativity in India. *Jamia Law Journal*, 3(3), 123-142.
- Naseema, P. K. (2018) Relevance of human rights education- Some reflections. In Jayanta Kumar Saha and Subir Kumar Roy (ed.) *Law, Court and Politics-Re-negotiating Global and National Perspective: Conference Proceedings*. 193, Bankura, WB: Department of Law, Bankura University.
- Rathore, B. (2017). Constitution of India and secularism. *Journal of the Legal Studies*, XLVIII. Jaipur, Rajasthan: Department of Law, University of Rajasthan.
- Sonawane, A. (2018). Administrative law vis-à-vis government contractual liability: A legal and judicial preview. *Journal of Legal Studies and Research*. 4 (1), 23-40. Retrieved from <http://jlsr.thelawbrigade.com/wp-content/uploads/2018/02/Ajay-Sonawane.pdf>.
- Sonawane, A. (2018). Human rights education in higher education: An incisive approach, *World Journal of Juristic Polity*. 1-8. Retrieved from <http://jurip.org/wp-content/uploads/2018/01/Ajay-Sonawane.pdf>.
- Vashishtha, N. (2018). Principle of proportionality: Extent and application in industrial disputes. *Shimla Law Review*, 1, 158-169.

Journals published by the Centre – 02

National Capital Law Journal, Vol. XVI, 2017.

LC-II Contemporary Law Review (E-journal), Vol. I, No. I, 2017.

Number of teachers serving as Editor(s)/Member(s) of Editorial Board – 03

Ahuja, V.K.: Editor-in-Chief, National Capital Law Journal, Vol. XVI, 2017.

Gupta, Kiran.: Editor, National Capital Law Journal, Vol. XVI, 2017.

Deswal, Vageshwari.: Member, Editorial Board of Delhi Law Review, 2017-18.

Seminars Organised

Sh. Pranab Mukherjee, former President of India inaugurated, and Professor Yogesh Tyagi, Vice-Chancellor of University of Delhi, Prof. Ved Kumari, Dean Faculty of Law and Dr. V.K. Ahuja, In-charge of Law Centre-II addressed, *National Seminar on 'Rights of Persons with Disabilities: Contemporary Developments'*, organised by LC-II in collaboration with Association of Disabled People, 12 February 2018.

GST-Manthan under which 3 events, namely, GST Samvad (Indian Panel): India GST; GST Samvad (International Panel): Global Tax Reforms; & GST Mock Adalat, organised by LC-II in collaboration with GSTStreet, February 17, 2018.

Panel Discussion on issues and challenges of Passive Euthanasia, Justice K G Balakrishnan, former chairperson NHRC & former Chief Justice of India; Shri K T S Tulsi, Member of Parliament, Rajya Sabha; Shri Adish C Aggarwala, President of International Council of Jurists & Chairman, All India Bar Association; Shri Jaiveer Shergill, spokesperson of INC participated in the discussion which was moderated by Dr. V K Ahuja, In-charge of Law Centre II, March 28, 2018.

Samvad Lecture Series, Prof. Poonam Saxena, Hon'ble Vice-Chancellor, National Law University, Jodhpur delivered lecture on Emerging Trends in Family Law, September 16, 2017.

Samvad Lecture Series, Justice S.N. Jha, former Chief Justice, Jammu and Kashmir High Court and Rajasthan High Court delivered lecture on Justice Delayed is Justice Denied, November 14, 2017.

Samvad- Lecture Series, Prof. Manoj Sinha, Director, Indian Law Institute, New Delhi, delivered lecture on Role of NHRC in Promotion and Protection of Human Rights of Women, November 20, 2017.

Seminar on Rights of Women in India: Contemporary Developments, Shri Ram Narayan Dudi, Member of Parliament, Rajya Sabha; Shri Manjinder Singh Sirsa, MLA, Rajouri Garden; Ms. Monika Arora, Senior Advocate, Supreme Court of India delivered talk on different facets of rights of women. March 16, 2018.

Conferences Organised

Conference on Goods and Services Tax (GST), Shri H. Rajesh Prasad, an alumnus of LC-II, Senior IAS Officer and Commissioner, GST, Government of Delhi and Shri Rajesh Saluja, Chartered Accountant and GST Specialist spoke, October 25, 2017.

National Conference on Activities of Legal Services Institutions and Implementation of PCPNDT Act, 1994, Prof. Poonam Saxena, Hon'ble Vice-Chancellor, NLU, Jodhpur, was the Chief Guest and Resource persons were: Shri Sandeep Gupta, Secretary, Central DALSA, Shri Vinod Kumar Meena, Secretary, West DALSA, Dr. J.P. Kapoor, Director, Family Welfare and Dr. Satyajit Kumar, State Program Officer, PNDT, Delhi State, organised by Law Centre-II in collaboration with Delhi State Legal Services Authority and Department of Family Welfare, Government of Delhi, November 13, 2017.

Seminar/Conference Presentations

Acharya, Ashutosh, presented paper, *Admiralty Law in India: Contemporary Challenges and Solutions*, 2nd International Conference on Contemporary Legal Issues, organised by School of Law Galgotias University, Uttar Pradesh, March 24, 2018.

Ahuja, V. K., delivered lecture, *Introduction to Intellectual Property Rights: An Overview*, organised by Delhi Institute of Rural Development, Delhi, March 21, 2018.

Ahuja, V. K., spoke on *Right to Education of Visually Impaired Persons* at College of Legal Studies, University of Petroleum and Energy Studies, Dehradun, 24 April 2017.

Ahuja, V. K., delivered lecture, *State Responsibility* at College of Legal Studies, University of Petroleum and Energy Studies, Dehradun, 24 April 2017.

Ahuja, V. K., as resource person delivered talk, *How to Prepare and Deliver a Lecture* in Faculty Development Program for newly recruited Assistant Professors at Faculty of Law, University of

Delhi, March 4, 2018.

Ahuja, V. K., Chaired a Session on *Access to Knowledge and Information* in National Conference on Copyright and Technology, organised by DIPP Chair on IPR, National Law University, Jodhpur, April 8-9, 2017.

Ahuja, V. K., delivered lecture on *Compulsory Licences under Patents Act, 1970* in Orientation Programme on Intellectual Property Rights and Enforcement for the Judicial Officers of Delhi Higher Judicial Services and Delhi Judicial Services, Delhi Judicial Academy, Dwarka, New Delhi, May 19, 2017.

Ahuja, V. K., delivered lecture on *Origin and Development of the IPR Legal Regime: International and National Developments* in Orientation Programme on Intellectual Property Rights and Enforcement for the Officers of DHJS and DJS, Delhi Judicial Academy, Dwarka, New Delhi, November 24, 2017.

Ahuja, V. K., Moderator, *Panel Discussion on Passive Euthanasia: Issues and Challenges*, organised by Law Centre-II, March 28, 2018.

Ahuja, V. K., presented paper, *Fair dealing in the Light of DU Photocopy Case* in National Workshop on Intellectual Property Rights, organised by National Law School, Guwahati, May 16, 2017.

Ahuja, V. K., presented paper, *Introduction to Intellectual Property Rights: An Overview* in Workshop on Intellectual Property Rights Awareness and Training Programme, organised by University of Rajasthan, February 24, 2018.

Ahuja, V. K., presented paper, *Marrakesh VIP Treaty: Putting an End to Global Book Famine* in National Workshop on Intellectual Property Rights, organised by National Law School, Guwahati, May 15, 2017.

Ahuja, V. K., presented paper, *Right to Health and Pharmaceutical MNCs* in National Conference on Paradigmatic Shifts in Law and Justice in 21st Century: Challenges and Opportunities, organised by National Law School, Shimla, December 9, 2017.

Ahuja, V.K., as resource person delivered a lecture on *How to Prepare and Deliver a Lecture* in Refresher Course for LL.M./Ph.D. Students at Faculty of Law, Kashmir University, Srinagar, January 13, 2018.

Chaudhary, Monica, presented paper, *Sexual Violence against Women with Disabilities: Recent Legislative and Judicial Trends in India* in National Seminar on Women with Disabilities: Law and Policy, organised at Campus Law Centre, Faculty of Law, University of Delhi, March 10, 2018.

Deswal, Vageshwari, delivered lecture on *Criminal Law* to in-service officers of SSB of rank of Second in command and commandant, Feb. 22, 2018.

Deswal, Vageshwari, delivered lecture on, *Women and the Law* in advance course in Gender studies organised by Advance Women Studies and Development Centre, University of Delhi, Jan. 18, 2018.

Deswal, Vageshwari, delivered lecture on *Duties and Responsibilities of Executive Magistrates* to HCS Officers in Institutional Training program organised by HIPA, Gurugram, Oct. 9, 2017.

Deswal, Vageshwari, delivered lecture on, *Law against Sexual Harassment at Workplace* to HCS Officers in Institutional Training program organised by HIPA, Gurugram, 28th Nov, 2017.

Deswal, Vageshwari, delivered talk on *Laws for Women Safety* at workshop on Women 'Security and self defence' for Red Cross volunteers organised by Youth Red Cross, MD University at Rohtak, Oct. 30, 2017.

Deswal, Vageshwari, delivered talk on *Laws to control Sexual Violence against Women* in a national workshop organised by WSDC, University of Delhi in collaboration with Association of Commonwealth Universities on "Gender Mainstreaming through Research on Women's issues", Dec. 19, 2017.

Deswal, Vageshwari, delivered talk on, *Human Rights of Women* in Refresher course on Human Rights organised by UGC Human Resource Development Centre at BPS Women University, Khanpur Kalan Sonapat, Nov. 16 Nov, 2017.

Deswal, Vageshwari, "Legal Rights of Women" in program organised by Women Cell, Govt. College, Gurugram on Nov. 7, 2017.

Gupta Kiran, as resource person delivered talk on *Background and Social context of the family law regime* in the Training programme for the Principal Judges, Judges of family court in Delhi Judicial Academy, July 28, 2017.

Gupta Kiran, as resource person delivered talk on *Background and social context of the family law regime* Training to the Principal counsellor/ counsellors and Judges of Family Courts, Delhi Judicial Academy, Feb 23, 2018.

Gupta Kiran, delivered talk on *Family law: Retrospect and Prospect in Sri Lanka and India* for Judges from Sri Lanka, Delhi Judicial Academy, April 08, 2017.

Gupta Kiran, delivered talk on *Family law: Retrospect and Prospect in Sri Lanka and India* for Judges from Sri Lanka, Delhi Judicial Academy, on Aug 17, 2017.

Gupta Kiran, as a resource person delivered talk on *Liability of Administration in Tort* in 43rd Advanced Professional Programme in Public Administration (APPPA), Aug. 10, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 95th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, April 05, 2017.

Gupta Kiran, as resource person delivered a talk on *Medical Negligence and consumer protection* in 96th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, April 26, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 98th Orientation Training Programme for the President and Member of District Consumer Forums organised by Indian Institute of Public Administration, Aug 29, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 99th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, Dec 20, 2017.

Gupta Kiran, delivered talk on *Sensitization Programme on Human Rights and Law: Gender Equality in the matter of Testamentary and Intestate Succession to property in Muslim Laws Hindu Laws Christian Law and Parsi Law*, Delhi Judicial Academy, Sep 15, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 97th Orientation Training Programme for the President and Member of District Consumer Forums Organised by Indian Institute of Public Administration, May 24, 2017.

Gupta Kiran, *Scriptural and Legal Precepts for Social Harmony in India* New Delhi meet on “Religio-Legal Parameters for Social Harmony” Organised by South Asia Consortium for religion and Law Studies, 01 Feb 2018.

Gupta, Kiran: “Sexual Harassment at Workplace: Regulatory Mechanism and Compliances” Organised by UPES School of Business, Dehradun on 18-19 Dec 2017.

Gupta, Kiran: Presented a paper titled “Personal Laws in Changing Social Content” in National Workshop on *Paradigmatic Shifts in Law and Justice in 21st Century: Challenges & Opportunities*, Organised by Himachal Pradesh National Law University, Shimla on 8-10 Dec 2017.

Gupta, Kiran: Presented a paper titled “Surrogacy in India” in *National Seminar on Surrogacy and Adoption*, organised by Faculty of Law, University of Delhi on 13 April 2017.

Gupta, Kiran: Presented a paper titled “Triple Talaq and its remedy in the shadow of Halala” in Annual Conference on *Dispelling Rhetoric: Law of Divorce and Gender Equality in Islam* Organised by Indian Law Institute in New Delhi on 29 April 2017.

Jha, Anupam: Resource Person, *Training Program for the Commissioned Officers*, organised at the Head Quarters, Sahastra Seema Bal, R.K. Puram, New Delhi January 17, 2018.

Jha, Anupam, Resource Person for the One Day *Training Program on Human Rights*, organised by Lingaya’s Vidyapeeth, Faridabad, in association with National Human Rights Commission, New Delhi on Feb. 24, 2018.

Naseema, P.K., Presented paper, “ADR– Not An Alternative But A Necessity in Matrimonial Legal System in India, National Conference on *Alternate Dispute Resolution in India: Issues and Challenges*, organised at VIT School of Law, VIT University, Chennai Campus, September 9, 2017.

Naseema, P.K., Presented paper, “Applicability of Scientific Evidence and Protection of Human Rights- A Study in Constitutional and Criminal Law Perspective’, *International Seminar on Enhance, Criminology & Forensic Science- Ensure Justice*, organised at the Dept. of Law, University of Calicut in association with Indian Criminology & Forensic Science Association, December 15-16, 2017.

Naseema, P.K., Presented paper, “Gender Justice Vs. Social Justice – A Constitutional Perspective”, *National seminar on Indian Constitution & Nation Building –Vision and Mission of Dr. Ambedkar*, Dept. of Political Science, Madurai Kamaraj University, November 20, 2017.

Naseema, P.K., Presented paper, “Relevance of Human Rights Education- Some Reflections” in the *National seminar on Law, Court and Politics: Renegotiating Global and National Perspectives*, organised at Bankura University, West Bengal, January 18-19, 2018.

Sonawane, Ajay, Presented Paper, “Human Rights and Child Trafficking in India: A Socio-Legal Perspective”, in *National Seminar on Access to Criminal and Correctional Justice and Human Trafficking*, organised at School of Law, Rights and Constitutional Governance, Tata Institute of Social Sciences in association with MHRC And IJM, Mumbai, Jan. 28, 2018.

Sonawane, Ajay, Resource Person, *One Day Training Programme on Basic Human Rights* sponsored by National Human Rights Commission, at New Law College at Bharathi Vidyapeeth, Jan. 13, 2018.

Sonawane, Ajay, Presented paper, “Human Rights Education and Skill Based Approach: An Overview”, *National Conference on Paradigm Shift in Higher Education due to Introduction of Skill Development*, organised at Skill Development Centre, Savitribai Phule Pune University, Pune, Maharashtra, December 21-23, 2017.

Tiwari, Pramod, Presented paper, “Uniform Civil Code-An Overview”, *National Seminar on Prospects of Uniform Civil Code in Present Indian Scenario*, organised at Babu Jagjivan Ram Institute of Law, Bundelkhand University, Jhansi, November 3, 2017.

Tiwari, Pramod, Presented paper, “Introduction of Uniform Civil Code is the Solution for Reforming Personal Laws in India”, *National Seminar on Reforms in Personal Laws in India: Problems & Prospects*, organised at the ICFAI University, Dehradun, April 8, 2017.

Vashishtha, Namita, Presented paper, “Children of Incarcerated Mothers in India: Judicial Response to Law and Policy”, *Three Days National Conference on Paradigmatic Shifts in Law and Justice in 21st Century: Challenges and Opportunities*, organised by HPNLU, Shimla, Dec. 8-10, 2017.

Wadhwa, Isha, Presented paper, “Exceptions under the Copyright Law vis-à-vis Public Interest” *National Conference on Intellectual Property Rights and Public Interest*, organised by Indian Law Institute, Delhi on April 7-8, 2017.

Wadhwa, Isha, Presented paper, “Demystifying concept of Relevant Market under Competition Law”, *2nd International Conference on Contemporary Legal Issues* organised by the School of Law, Galgotias University, Greater Noida, March 24, 2018.

Wadhwa, Isha, Presented paper, “Role of Independent Directors in Effective Corporate Governance”, *International Conference on Recent Financial Reforms in India: An Unfinished Agenda*, organised by the Centre for Banking and Financial Laws, National Law University, Delhi in collaboration with School of Business and Taxation Laws, University of New South Wales, Sydney, Australia at NLUD, Dwarka, November 24-25, 2017.

Wadhwa, Isha, Presented paper, “The Interrelationship between Human Rights and IPR” *National Seminar on Litigating Equality: Are Human Rights Effective?*, organised by the Department of Law, Delhi Metropolitan Education (Affiliated to GGSIPU) Noida, November 11, 2017.

Extension and Outreach Activities

The students of Law Centre-II with Faculty members Dr. Mahavir Singh, Mr. Brijesh Kumar Singh, Mr. Jyotish Kumar and Mr. Meghraj made a visit to the Parliament on February 19-20, 2018.

The students of Law Centre-II with Faculty members Dr. Anjay Kumar, Dr. Bhupesh Rathore and Ms. Shikha Kamboj made a visit to the National Human Rights Commission on March 16, 2018. The visit was organised under the supervision of Union Advisor, Dr. Pinki Sharma.

The Legal Aid Orientation Programme 2017 was organised at Law Centre-II on September 19, 2017. Sh. Naveen Gupta, Judicial Officer and Additional Secretary, Delhi State Legal Services Authority and Sh. Jagmohan Singh, Judicial Officer and Secretary, South West District, Delhi State Legal Services Authority addressed the students on the theme Legal Aid: Duty Towards the Society.

Para Legal Volunteers (PLVs) Training, A record number of 527 students appeared in the test and a merit list was drawn for the purpose of sending their names to DSLSA for training. The Senior Judicial Officers of Delhi gave training to the First Batch of 94 students of Law Centre-II on November 21-22, 2017.

Naye Bharat ka Sankalp held on 9th August, 2017 at Law Centre-II to celebrate 75 years of Quit India Movement and 70 years of India's Independence. In-charge Dr. V.K. Ahuja administered oath to the Faculty members and administrative staff of Law Centre-II.

LC-II student union constituted a Cultural Society namely, Abhivyakti under the supervision of Teacher-in-charge of Student Union Dr. Pinki Sharma. The Society is a platform for the students to show their talent in

different activities at Law Centre-II. They are involved in Dancing, Singing, Music, Rangoli, Drama, Photography, and other cultural activities.

Law Centre-II in collaboration with National Commission for Women organised an Intra-Centre Competition on Legal Rights of Women on Nov. 20, 2017. (Around 100 students participated).

Faculty Strength: 48

Other Significant Information

LC-II launched the first biannual e-newsletter namely *Gatividhiyan* for the period July-December 2017).

LC II in order to promote cutting edge research on contemporary legal issues launched its first E-Journal titled *Contemporary Law Review-LC II*.

Under the guidance of Assistance Professor Ms. Rubina, LC-II students went to the studio of Republic TV in the program 'One India', where they participated in the panel discussion on Environment and Waste Management on Nov. 26, 2017.

Law Centre II in association with Law Students' Initiative organised a Discussion Program on Budget 2018-19 and its Impact on Higher Education on February 26, 2018.

LC-II student Ms. Mala Mehto brought laurels to the Centre by winning the Best Researcher Award at 7th Amity International Moot Court Competition, 2017 in October 2017.

LC-II student Mr. Baskaran Balkrishnan won the prestigious Late Justice Sh. Avadh Behari Rohtagi Gold Medal as well as Sukhdevi Girdhari Lal Grover Prize. The prestigious Gold medal and the prize are awarded by the University of Delhi to a student of Faculty of Law, DU, who secures the highest marks in Indian Constitutional Law papers of LL.B. Mr. Baskaran Balkrishnan secured 139/200 marks in the aforesaid papers. He was awarded Medal and Prize by His Excellency Hon'ble Sh. Ram Nath Kovind, President of India at the 94th Annual Convocation of DU.

FACULTY OF MANAGEMENT STUDIES

Major Activities and Achievements

Established in 1954 as a part of the Department of Economics, the Faculty of Management Studies (FMS) became a full-fledged faculty thereafter and was the maiden institute in the country to start a formal Degree Programme in Management Education. Commencing with MBA (Full-Time), its flagship programme in 1967, FMS has been consistently ranked as one of the top five Business Schools in the country. Currently, FMS offers – MBA Executive, MBA Executive (Health Care Administration) and Ph.D. in Management. Faculty members here are keenly involved in publishing research papers, books, cases; attending international and national conferences and organizing Management Development Programmes for varied organizations with some receiving honors and awards during the period under review. The students' body, Management Science Association, has been actively organizing guest lectures, academic workshops, seminars, colloquia, and sports competitions for management students from different B-Schools within the country. FMS students also won numerous national and international B-School competitions in academics, business plans as well as case studies organised by other institutions and the corporate sector. FMS also conducted large number of Management Development Programmes for various organizations.

Publications

Gupta, G. and Nagpal, S. (2017). User Generated Communication: Understanding the Content Factors, Motivation to Share and Purchase Intentions of Travel Consumers': *JIMQUEST Journal of Management and Technology*, (ISSN: 0975-6280), 13(1), 90-98.

Gupta, G. and Verma, A. (2017). Foreign Brand Names as Predictor of Consumers' Purchase Decisions: *International Journal of Management Research*, 8(1), 19-25.

Kapoor, A. and Vij, M. (2017). Digital and new age consumer trends: A study among college students in Delhi: *Journal of Commerce and Business Studies*, Delhi University, ISSN 2322-076.

Narain and Gupta, C. P. (2018). Special Dividend announcement by Indian firms: *Business Analyst*, 38(2), 3-25.

Venkatraman, A. and Ravichandran. (2017). Public Private Partnership for Universal Health Coverage in India, Research Report, WHO-India.

Verma, A. and Gupta, G. (2017). Consumers' Response to Foreign Brands: Strategic Implications from Qualitative Perspective. *Amity Journal of Marketing*, 2(2).

Verma. H. (2017). Relationship Quality: What it means in Indian Context. *International Journal of Asian Business and Information Management*, 8(3), 14-35.

Verma. H. (2017). Advocacy, Customer Advocacy and Marketing Implications'. *BULMIM Journal of Management and Research*, 2(1), 29-43.

Vij, M. and Dhawan, S. (2017). *Merchant Banking and Financial Services*. 2nd Ed. Tata McGraw Hill.

Seminar Organised

Garima Gupta. Organised (as Convener) a one-day Workshop/Seminar on 'Unfolding Goods and Services Tax' on 9th September, 2017 at Faculty of Management Studies, University of Delhi.

Garima Gupta. Organised (as Convener) a talk on 'Cyber Crimes and Security' on 24th November, 2017 at Faculty of Management Studies, University of Delhi.

Conferences Organised

Garima Gupta. Organised (as Convener) a one-day National Conference of FMS on 'Rethinking Management Education in Digital Age' at Conference Centre, North Campus on 10th February, 2018.

Seminar Conference Presentations

Anuj Kapoor and Madhu Vij, (2018), 'Technology at the dinner table: Online food ordering apps in India' COSMAR, Paper presented at IISc, Bangalore.

Anuj Kapoor and Madhu Vij, (2018) 'Are you digitally ready? Development of a Digital Readiness Index' Paper presented at IIT Bombay.

Anuj Kapoor and Madhu Vij, (2018), 'Digital Underwriting: Life Insurance in India' 5th PAN IIM World Conference.

Anuj Kapoor and Madhu Vij, (2018), 'Digitization in Banks: Luxury or Necessity' 5th PAN IIM World Conference.

Agarwal, S. and Gupta, G.(2018), 'Nurturing Relationship through Complaint Handling: What all does it takes?', Paper accepted for presentation in 6th Annual International Commerce Conference on 'Digital Outreach and Future of Marketing Practices', 11-12th January, 2018, New Delhi.

Gupta, G. and Agarwal, S. (2017), 'Winning Back Complainants: An Empirical Assessment of Key Determinants', National Seminar on Contemporary Strategies for Sustainable Development: Marketing and HR, 10th November, Deen Dayal Upadhyay College, University of Delhi.

Gupta, G.(2017), 'Naming Products: Foreign or Local Branding', Conference on International Business, Emerging Trends, Opportunity and Challenges, 28th April, Apeejay School of Management, New Delhi.

Khandelwal P., Sehgal, A, "Why Gender Matters in Entrepreneurship: Perception of Success among Indian Women Entrepreneurs", Presented at the International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets with Sehgal.A, Organised by IIT Delhi, July14, 2017.

Khandelwal P, "Mahatma Gandhi as an Authentic Leader: A narrative autobiographical approach", Presented at the International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets with Khanum, Organised by IIT Delhi, July15, 2017.

Venkatraman, A. Technical Report Writing for Policy Makers and Public Private Partnership in Health Care Delivery, Ministry of Health, Islamic Republic of Iran and WHO-Iran, 24th May 2017, Tehran.

Vohra, A., Laheri, V., & Dangi, H. K., "Impediments to purchase of green products with reference to selected product categories" presented in NASMEI Summer Marketing Conference organised by IIM Indore, (2017).

Vohra, A., & Bhardwaj, N., "Engagement with online communities: Role of community commitment and active participation", presented in NASMEI Summer Marketing Conference organised by IIM Indore, (2017).

National / International MoUs

National MoU-CAT-2018

Placement Details (Number and percentage of students placed)

Number and percentage of students placed = 425, 100%

Number of Companies visited for campus recruitment = 162

Number of M.Phil / Ph.D. Awarded

Ph.D. : 15

Faculty Strength : 23

FACULTY OF MATHEMATICAL SCIENCES

COMPUTER SCIENCE

Major Activities and Achievements

The Department offers two post graduate Degree Programmes – MCA & M.Sc. Computer Science. The Department started three year Master of Computer Applications (MCA) programme in the year 1982 & M.Sc. Computer Science course in the year 2004 with the aim to develop core competence in Computer Science and prepare students to carry out development work, as well as take up challenges in research.

Research: The Department has strong research interests in diverse branches of Computer Science (Artificial Intelligence, Parallel Computing, Databases, Data Mining, Software Engineering, Computer Graphics, Networking, Web Technologies, Information Security, Algorithms and Bioinformatics) and offers a Doctor of Philosophy (Ph.D.) Programme aimed at producing quality researchers. At present, the department has about 49 Ph.D. students and eight have been awarded degrees in the year 2017-18. Seventeen MSc research projects were undertaken, some of which are in different stages of publications.

Placements: Reputed software companies like Amazon, National Instruments, Direct, SumoLogic, Morgan Stanley, Nagarro, Thorogood, Accolite, Aristocrat participated in campus placement process. Minimum and maximum salary packages were Rs. 4.5 LPA and Rs. 27.5 LPA.

Student Activities: Twelfth edition of the Annual Technical Fest “SANKALAN” was organised by students of the Department of Computer Science. The festival was attended by 400 students of Computer Science from colleges all over India.

Publications

Journal Articles:

Bhatnagar, V., Kaur, S., Saxena, R. and Khanna, D. (2017), DASC: Data aware algorithm for scalable clustering, *Knowledge and Information Systems, Springer*, 50 (3), 851-881. [Impact Factor: 2.004].

Kumari, T. and Bedi, P. (2017). A Comprehensive Study of Shilling Attacks in Recommender Systems. *International Journal of Computer Science Issues, Softwarefirst Ltd.*, 14(4), 44-50

Sharma, C. and Bedi, P. (2017). CCFRS - Community based Collaborative Filtering Recommender System. ISTA 2016, *Journal of Intelligent and Fuzzy Systems, IOS Press, Netherlands*, 32(4), 2987-2995, [Impact Factor: 1.261].

Gautam, A. and Bedi, P. (2017). ISTA 2016, Developing Content-Based Recommender System Using Hadoop Map Reduce. *Journal of Intelligent and Fuzzy Systems*, 32(4), 2997-3008, *IOS Press, Netherlands* [Impact Factor: 1.261].

Vasishth, P. and Bedi, P. (2017). A Fuzzy Hybrid Recommender System. *Journal of Intelligent and Fuzzy Systems, IOS Press*, 1-16. [Impact Factor: 1.261].

Aggarwal, G. and Gupta, N. (2017). BiETOpti: biclustering ensemble technique using optimization. *International Journal of Bioinformatics Research and Applications, IJBRA* 13(2), 109-130.

Gupta, R., Muttou, S. K. and Pal, S. K. (2017). Fuzzy C-Means Clustering and Particle Swarm Optimization based scheme for Common Service Center location allocation. *Applied Intelligence, Springer*, 47(3), 624-643

Hans, K., Ahuja, L. and Muttoo, S. K. (2017). Detecting redirection spam using multilayer perceptron neural network. *Soft Computing*, Springer, 21(13), 3803-3814

Research Projects

DST (DU-DST PURSE grant), *Soft Computing Approach to Multi-Criteria Optimization Models for Component Selection in Designing Fault Tolerant Software Systems*, 2014- 2018, Rs.6,12,000/-

National / International MoUs

With Indian/Foreign Universities

1. University of Aizu, Japan
2. Epitech, European Institute of Information Technology (Le Kremlin Bicetre, France)

Inter-Institutional Collaboration

Defence Research and Development Organisation (DRDO)

Placement Details

Students Placed- 64 students placed from MCA & M.Sc. Computer Science

Companies visiting campus for recruitment – 25.

Ph.D. / M.Phil. Awarded

Ph.D. – 8

Faculty Strength

Permanent – 6

Ad-hoc – 4

Other Significant Information

Students of the Department of Computer Science launched the Eighth edition of the magazine ‘SRIJAN’, both online and in print, in the Twelfth year of Sankalan.

MATHEMATICS

Major Activities and Achievements

The Department is supported by UGC-DSA I, DST-PURSE and DST-FIST grants and offers M.A./M.Sc. and M.Phil/Ph.D. programs in Mathematics. The Department is ranked 10th in India and 144 in Asia in the Times Higher Education Rankings 2018. The faculty members have published around 50 research papers in journals of international repute during 2017-18. A co-authored textbook on “Theory of Semigroups and Applications” and co-edited book “Applied Mathematics and Computational Intelligence” have also been published during this period. Prof. Ajay Kumar has been elected as a fellow of the National Academy of Sciences in 2017. Department organised workshops and seminars and an international conference in honor of Prof. T.B. Singh on his retirement in November 2017. Field medallist Prof. Efim Zelmanov from University of California, visited our department and delivered an invited talk and a public lecture. Department organised Pre Entrance Summer School in Mathematics during June 9–22, 2017.

Honours/Distinctions

Prof. Ajay Kumar has been elected as a fellow of the National Academy of Sciences in 2017.

Prof. Ajay Kumar was appointed as the university representative on the General Council of Netaji Subash Institute of Technology, 2017-2020.

Prof. V. Ravichandran was elected as Chairman, Governing Body, Shyama Prasad Mukherji College for Women, University of Delhi from June 2017.

Research scholar Mr. Dinesh Kumar delivered invited talk in 83rd Annual Conference of the Indian Mathematical Society in 2017 based on the A. Narasinga Rao memorial Prize awarded to him in 2015.

Publications

- Ahuja, O. P., Nagpal, S., and Ravichandran, V. (2017). A technique of constructing planar harmonic mappings and their properties. *Kodai Mathematical Journal*, 40(2), 278–288.
- Alarifi, N. M., Ali, R. M., and Ravichandran, V. (2017). Best bounds for the second Hankel determinant of the k th-root transform of analytic functions. *Filomat*, 31(2), 227–245.
- Ali, R. M., Kumar, V., Ravichandran, V., and Kumar, S. S. (2017). Radius of star likeness for functions with fixed second coefficient. *Kyungpook Mathematical Journal*, 57(3), 473–492.
- Ambethkar, V., and Kushawaha, D. (2017). Numerical solutions of an unsteady 2-D incompressible flow with heat and mass transfer at low, moderate and high Reynolds numbers. *Journal of the Korean Society for Industrial and Applied Mathematics*, 21(2), 89–107.
- Ambethkar, V., and Kumar, M. (2017). Numerical solutions of 2-D steady incompressible flow in a driven square cavity using stream function-vorticity formulation. *Turkish Journal of Mathematics and Computer Science*, 6, 10–22.
- Ambethkar, V., and Srivastava, M. K. (2017). Numerical solutions of a steady 2-D incompressible flow in a rectangular domain with wall slip boundary conditions using the finite volume method. *Journal of Applied Mathematics and Computational Mechanics*, 16(2), 5–16.
- Ambethkar, V., Srivastava, M. K., and Chamkha, A. J. (2017). Numerical study of coupled fluid flow and heat transfer in a rectangular domain at moderate Reynolds numbers using the control volume method. *International Journal of Industrial Mathematics*.
- Arendt, W., Chalander, I., Kumar, M., and Srivastava, S. (2017). Asymptotic behaviour of powers of composition operators on Banach spaces of holomorphic functions. *Indiana University Journal of Mathematics*.
- Bohra, N., and Ravichandran, V. (2017). Schwarzian derivative and Janowski convexity. *Studia Universitatis Babes-Bolyai Mathematica*, 62(2), 197–204.
- Bohra, N., and Ravichandran, V. (2017). On confluent hypergeometric function and generalized Bessel functions. *Analysis Mathematica*, 43(4), 533–545.
- Bohra, N., and Ravichandran, V. (2018). Radii problems for normalized Bessel functions of first kind. *Computational Methods and Function Theory*, 18(1), 99–123.
- Crespi, G. P., Dhingra, M., and Lalitha, C. S. (2017). Pointwise and global well-posedness in set optimization: A direct approach. *Annals of Operations Research*, Online DOI: 10.1007/s10479-017-2709-7.
- Das, P., and Das, T. (2018). Various types of shadowing and specification on uniform spaces. *Journal of Dynamical Control Systems*, 24, 253–267.
- Das, R., Das, T., and Shah, S. (2018). Bowen's decomposition theorem for topologically Anosov homeomorphisms on noncompact and non-metrizable spaces. *Communications of the Korean Mathematical Society*, 33(1), 337–344.
- Dass, B. K., and Verma, R. (2017). Construction of m-repeated burst error detecting and correcting non-binary linear codes. *Applications and Applied Mathematics*, 12(1), 337–349.
- Deepshikha, and Vashisht, L. K. (2017). Extension of Bessel sequences to dual frames in Hilbert spaces. *UPB Scientific Bulletin, Ser. A: Applied Mathematics and Physics*, 79(2), 71–82.
- Dhingra, M., and Lalitha, C. S. (2017). Approximate solutions and scalarizations in set optimization. *Optimization*, 66(11), 1793–1805.
- Dhingra, M., and Lalitha, C.S. (2017). Set optimization using improvement sets. *Yugoslav Journal of Operational Research*, 27(2), 153–167.
- Gandhi, S., and Ravichandran, V. (2017). Starlike functions associated with a lune. *Asian-European Journal of Mathematics*, 10(4), 1750064 (12 pages).
- Garg, M., and Das, R. (2018). Transitivity of maps on G-spaces. *Advances in Pure and Applied Mathematics*, 9(2), 75–83.
- Garg, M., and Das, R. (2017). When a minimal map is totally transitive on a G-space. *Journal of Dynamical and Control Systems*, 23(3), 499–508.
- Garg, M., and Das, R. (2017). Average chain transitivity and the almost average shadowing property. *Communications of Korean Mathematical Society*, 32, 201–214.

- Garg, M., and Das, R. (2017). Exploring stronger forms of transitivity on G-spaces. *Matematicki Vesnik*, 69, 164–167.
- Garg, M., and Das, R. (2017). Continuous semi-flows with the almost average shadowing property. *Chaos, Solitons and Fractals*, 105, 1–7.
- Gaur, A., and Sharma, A. (2017). Eulerian graphs and automorphisms of a maximal graph. *Indian Journal of Pure and Applied Mathematics*, 48(2), 233–244.
- Gupta, V.P., and Jain, R. (2017). On closed Lie ideals of certain tensor products of C^* -algebras. *Mathematische Nachrichten*.
- Khushboo, and Lalitha, C.S. (2018). Scalarizations for a unified vector optimization problem based on order representing and order preserving properties. *Journal of Global Optimization*, 70, 903–916.
- Kumar, A, Sahni, N., and Singh, D. (2017). Invariance under bounded analytic functions: generalizing shifts. *New York Journal of Mathematics*, 23, 1249–1270.
- Kumar, A, Sahni, N., and Singh, D. (2017). Invariance under finite Blaschke factors on BMOA. *New York Journal of Mathematics*, 23, 1641–1656.
- Kumar, S., Ravichandran, V., and Verma, S. (2017). Bounds for the initial coefficients of starlike functions with real coefficients, *Bulletin of the Iranian Mathematical Society*, 43(6), 1837–1854.
- Kumar, S., and Ravichandran, V. (2017). Functions defined by coefficients inequalities, *Malaysian Journal of Mathematical Sciences*, 11(3), 365–375.
- Kumar, S. (2017). Mild solution and fractional optimal control of semilinear system with fixed delay. *Journal of Optimization Theory and Applications*, 174(1), 108–121.
- Gil-Lafuente, A. M., Merigó, J. M., Dass, B. K., and Verma, R. (Eds.) (2018). Applied Mathematics and Computational Intelligence. *Applied Mathematics and Computational Intelligence*, [v. 730 of Advances in Intelligent Systems and Computing, Springer].
- Lalitha, C. S. and Dhingra, M. (2017) Approximate Lagrangian duality and saddle point optimality in set optimization. *RAIRO-Operations Research*, 51(3), 819–831.
- Lata, S. and Singh, D. (2018). A class of sub-Hardy Hilbert spaces associated with weight shifts. *Houston Journal of Mathematics*, 44(1), 301–308.
- Luthra, P., Kumar, A. and Rajpal, V. (2018). Polynomials in operator space theory: Matrix ordering and algebraic aspects. *Positivity*, 22, 629–652.
- Luthra, P. and Kumar, A. (2017). Embeddings and C^* -envelopes of exact operator systems. *Bulletin of the Australian Mathematical Society*, 96(2), 274–285.
- Patel, A. and Bagargaan, R. (2017). Similarity solution for a cylindrical shock wave in a self-gravitating, rotating axisymmetric dusty gas with heat conduction and radiation heatflux. *Journal of Applied Fluid Mechanics*, 10(1), 329–341.
- Patel, A., Singh, M. and Bagargaan, R. (2017). Homotopy analysis method for one dimensional unsteady adiabatic gas flow. *International Journal of Pure and Applied Mathematics*, 115(4), 673–692.
- Patel, A. and Kumar, V. (2017). Study of generalized ZK-BBM equation to construct solitary patterns solutions via variational iteration method. Accepted *Far East Journal of Mathematics*.
- Ravichandran, V. and Verma, S. (2017). Estimates for inverse coefficients of certain analytic functions. *Filomat*, 31(11), 3539–3552.
- Ravichandran, V. and Verma, S. (2017). Radius problems for ratio of Janowski starlike functions with its derivative. *Bulletin of the Malaysian Mathematical Sciences Society*, 40(2), 819–840.
- Shah, S., Das, R. and Das, T. (2018). Sensitivity, property P and uniform entropy. *Asian-European Journal of Mathematics*, 12 (2019), 8 pages.
- Sharma, J. and Kumar, A. (2017) Qualitative uncertainty principle for Gabor transform on certain locally compact groups. *Advances in Pure and Applied Mathematics-De Gruyter* 9, 205-220. Doi: <https://doi.org/10.1515/apam-2017-0050>.
- Singh, R. and Jena, J. (2018). On evolution of non-linear waves in polytropic reacting gases. *Journal of Mathematical Chemistry*, 56(1), 232–246.

Singh, S. K., Singh, H. K., & Singh, T. B. (2018). Borsuk-Ulam theorems and their parametrized versions for $\square^m \times \square^3$. *Bulletin of the Brazilian Mathematical Society, New Series*, 49(1), 179–197.

Singh, S. K., Singh, H. K., & Singh, T. B. (2017). A Borsuk-Ulam type theorem for the product of a projective space and 3-sphere. *Topology and its Applications*, 225, 112–129.

Sinha, K., & Srivastava, S. (2017). *Theory of Semigroups and Applications*. Text and Readings in Mathematics, Springer Verlag.

Vashisht, L. K. and Garg, S. (2017). Weaving K -fusion frames in Hilbert spaces. *Ganita*, 67(1), 41–52.

Research Projects

SERB-DST Fast Track Fellowship, *Semigroups on non-commutative L^p spaces*, 2014-17, Sachi Srivastava.

Seminars Organised

International Workshop on Recent Advances in Operator Semigroups, December 18–21, 2017.

Workshop on Topology of Manifolds and Group Actions, November 9–22, 2017.

Research Scholar Seminar and Annual Conference of Society of Mathematical Sciences, May 1–2, 2017.

Conferences Organised

International Conference on Topology and Geometry (ICTG-2017) in the Honor of Prof. Tej Bahadur Singh on the occasion of his retirement, November 23–24, 2017.

Research Scholar Seminar and Annual Conference of Society of Mathematical Sciences, May 1–2, 2017.

Seminar/Conference Presentations

C.S. Lalitha delivered a series of four lectures on “Convex Sets and Convex Functions”, Short Term Training Programme on Nonlinear Analysis and Optimization Indian Institute of Technology (ISM), Dhanbad, December 1-5, 2017.

C.S. Lalitha delivered a series of four lectures on “Convex Sets and Convex Functions”, International Workshop on Convex Analysis and Optimization, Aligarh Muslim University, November 14-19, 2017.

C.S. Lalitha delivered an invited talk on “Pointwise and Global Well-Posedness in Set Optimization: A Direct Approach”, International Symposium on Operations Research and Game Theory: Modeling and Computation, Indian Statistical Institute, Delhi Centre, January 9-11, 2018.

C.S. Lalitha delivered an invited talk on “Approximate Weak Efficient Solutions and Continuity in Parametric Set Optimization”, International Conference on Analysis and its Applications, Aligarh Muslim University, November 20-22, 2017.

C.S. Lalitha delivered an invited talk on “Convergence of Solution Sets in Vector Optimization”, National Conference on Advances in Applied Mathematics and Statistics, September 7-8, 2017 at Mata Sundari College for Women, University of Delhi.

C.S. Lalitha delivered an invited talk on “Stability Aspects in Set Optimization”, 32nd Annual Conference of Ramanujan Mathematical Society, Rani Channamma University, Belagavi, June 23-25, 2017.

Lalit Kumar delivered an invited lecture “The Reconstruction Property of Fractals in L^p Spaces” International workshop on wavelets, frames and applications III at Kirori Mal college, University of Delhi, Delhi, December 14-20, 2017.

Lalit Kumar delivered an invited talk on “Hilbert Frames: A Signal Processing Perspective”, International Conference on Applicable Mathematics, organised by Department of Mathematics, Motilal Nehru College, University of Delhi, Delhi during February, 19-20, 2018.

Atul Gaur delivered an invited talk in International Conference on Recent Advances in Mathematics during February 17-18, 2018 held at Agarwal College, Ballabgarh.

Sachin Kumar presented a paper in the International Conference organised by Vardhaman College, Bijnor, India on “Lie-Symmetry Analysis and Similarity Reductions for the Non-Linear Partial Differential Equations”, February 24-25, 2018.

Sachin Kumar presented a paper in the International Conference organised by Inderprastha Engineering College, Ghaziabad, India on “Lie Symmetry Analysis and Invariant solutions of Born-Infeld equation”, January 04-06, 2018.

Sachin Kumar presented a paper in the International Conference organised by KIET Group of Institutions, Ghaziabad, India on “Symmetry Reductions and Invariant Solutions of (2+1)-Dimensional Zoomeron Equation”, December 22-23, 2017.

Ajay Kumar delivered an Invited talk entitled “Uncertainty Principles on locally compact groups in International conference on Mathematics & Applications, April 26-28, 2017.

Ajay Kumar delivered a special lecture on “Fourier series to Fourier Transform” at Karnatak University Dharwad on Feb. 2, 2018.

Ajay Kumar delivered an invited talk at Indian Institute of Technology, Delhi on “Uncertainty Principles on locally compact groups “ on Jan. 24, 2018.

Other Inter-Institutional Collaboration

Many faculty members collaborate with researchers from various institutes like Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru; Indian Institute of Science (IISc), Bengaluru; Indian Institute of Technology Kanpur; University of Science, Malaysia; Kent State University, USA.

Placement Details (Number and percentage of students placed)

Total 10 students were placed in 11 companies invited for placement with the average annual package was 6 lacs per annum.

Extension and Outreach Activities

Organised a public lecture on by Field medallist Prof. Efim Zelmonov, University of California, San Diego on “Mathematics: Science or Art?” on December 4, 2017.

The Placement Cell organised a workshop on skills development, career and CV building in collaboration with WeekendR.

Pre Entrance Summer School 2017, June 9–22, 2017.

Number of M.Phil./Ph.D. Awarded

Ph.D. :22

M.Phil. :19

Faculty strength: Permanent 22

OPERATIONAL RESEARCH

Major Activities and Achievements

Department of Operational Research, since its inception, has established itself as a leading centre for education and research in the area of optimization and data analytics. To ensure a holistic development of students, apart from regular teaching and research, the department organizes a wide range of scholarly activities every year. The Department organizes both student oriented and research oriented workshops/conferences/seminars on regular basis. During 2017-18, the department organised a seminar-cum-workshop on “Business Analytics and Intelligence” and a workshop on “Python”. Eminent speakers from industry and academic institutions interacted with students and faculty and delivered lectures.

Honours/Distinctions

Professor Chandra K. Jaggi

International Best Researcher Award 2017 was conferred on him for his contributions in the field of Inventory and supply Chain Management at 7th International Science Congress in Bhutan by International Science Community Association on December 08, 2017.

Recipient of Bharat Vikas Award by Institute of Self Reliance, Bhubaneswar, India, for the loyalty, Diligence & Outstanding Performance in the field of Operational Research on November 19, 2017.

Best Teacher Award by Grace India Educational Charitable Trust, Delhi on October 07, 2017.

Professor Pankaj Gupta

Short-term Foreign Expert, School of Information, Capital University of Economics and Business, Beijing, China, June-July, 2017.

Dr. Mukesh Kumar Mehlawat

Visiting Scientist, School of Information, Capital University of Economics and Business, Beijing, China, June-July, 2017.

Publications

Aggarwal, N., Arora, A. and Anand, A. (2018). Modeling and characterizing viewers of You Tube Videos. *International Journal System Assurance and Engineering Management*, 9(2), 539-546.

Aggarwal, K. K. and Tyagi, A. K. (2017). Inventory and credit decisions under inflationary conditions with inflation induced bad-debts. *International Journal of Operations Research and Information Systems*, 9(3), 52-76.

Aggarwal, K. K. and Tyagi, A. K. (2017). Inventory and credit decisions under day-terms credit and stock-dependent demand. *International Journal of Supply Chain and Inventory Management*, 2(2), 99-121.

Anand, A, Bansal, G. and Agarwal. M. (2018). Modeling adoption of a successive generational product in multiple markets. In N. Shah and M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (427-441). Hershey, PA: IGI Global.

Anand A., Bansal G., Agarwal M. and Aggarwal D. (2018). Remanufacturing: An industrial strategy for economic benefits. In: M. Ram, & J. Davim (Eds.), *Diagnostic Techniques in Industrial Engineering. Management and Industrial Engineering* (137-155). Cham: Springer.

Anand, A., Agarwal, M., Aggarwal, D. and Singh, O. (2018). Innovation diffusion modeling considering the time lag between awareness and eventual adoption. *Journal of Advances in Management Research*, 15(1), 4-16.

Anand, A., Agarwal, M., Aggarwal, D. and Singh, O. (2018). Queuing theory-based innovation diffusion modelling incorporating change in adoption rate. *International Journal of Mathematics in Operational Research*, 12(1), 102-116.

Anand, A., Singhal, S. and Singh, O. (2018). Revisiting dynamic potential adopter diffusion models under the influence of irregular fluctuations in adoption rate. In N. Shah, & M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (499-519). Hershey, PA: IGI Global.

Anand A., Singhal, S., Panwar, S. and Singh, O. (2018). Optimal price and warranty length for profit determination: An evaluation based on preventive maintenance. In P. Kapur, U. Kumar, & A. Verma (Eds.), *Quality, IT and Business Operations* (pp. 265-277). Singapore: Springer.

Anand, S., Verma, V. and Aggarwal, A. G. (2018). 2-Dimensional multi-release software reliability modelling considering fault reduction factor under imperfect debugging. *Ingenieria Solidaria*, 14(25), 13 pages.

Bao, T. Q., Gupta, P., & Khanh, P. Q. (2017). Necessary optimality conditions for minimax programming problems with mathematical constraints. *Optimization*, 66(11), 1755-1776.

Darbari, J. D., Agarwal, V., Yadavalli, V. S., Galar, D., & Jha, P. C. (2017). A multi-objective fuzzy mathematical approach for sustainable reverse supply chain configuration. *Journal of Transport and Supply Chain Management*, 11(1), 1-12.

Darbari, J. D., Kannan, D., Agarwal, V. and Jha, P. C. (2017). Fuzzy criteria programming approach for optimising the TBL performance of closed loop supply chain network design problem. *Annals of Operations Research*, <https://doi.org/10.1007/s10479-017-2701-2>.

Dhaka, V., Pareek, S. and Jaggi, C. K. (2017). Inventory model for optimal pricing and ordering policies under two-level trade credits. *International Journal of Procurement Management*, 10(5), 555-567.

Gautam, P. and Khanna, A. (2018). An imperfect production inventory model with setup cost reduction and carbon emission for an integrated supply chain. *Uncertain Supply Chain Management*, 6(3), 271-286.

Govindan, K., Agarwal, V., Darbari, J. D. and Jha, P. C. (2017). An integrated decision making model for the selection of sustainable forward and reverse logistic providers. *Annals of Operations Research*, <https://doi.org/10.1007/s10479-017-2654-5>.

Gupta, P. and Tammer, C. (2017). Special issue on advances in optimization theory and applications on the occasion of the international conference on recent advances in optimization theory and applications – RAOA 2016. *Optimization*, 66 (11), 1739-1740.

Jaggi C. K., Gautam P. and Khanna A. (2018). Inventory decisions for imperfect quality deteriorating items with exponential declining demand under trade credit and partially backlogged shortages. In P. Kapur, U. Kumar, & A. Verma (Eds.), *Quality, IT and Business Operations* (pp. 213-229). Singapore: Springer.

Jaggi, C. K., Gautam, P. and Khanna, A. (2018). Credit policies for deteriorating imperfect quality items with exponentially increasing demand and partial backlogging. In N. Shah, & M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (pp. 90-106). Hershey, PA: IGI Global.

Jaggi, C. K., Gautam, P. and Khanna, A. (2018). A study on imperfect production system under maintenance strategies and warranty. In N. Shah, & M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (pp. 371-387). Hershey, PA: IGI Global.

Jaggi. C. K., Goel, S. K. and Tiwari S. (2017). Two-warehouse inventory model for non-instantaneous deteriorating items under different dispatch policies. *Investigación Operacional*, 38(4), 343-365.

Jaggi, C. K., Gupta, M., Kausar, A. and Tiwari, S. (2018). Inventory and credit decisions for deteriorating items with displayed stock dependent demand in two-echelon supply chain using Stackelberg and Nash equilibrium solution. *Annals of Operations Research*, <https://doi.org/10.1007/s10479-018-2925-9>.

Jaggi, C. K., Jain, R. and Verma, M. (2018). Impact of demonetization on supply chain in indian context. *AIMS International Journal of Management*, 12(1), 1-10.

Jaggi, C. K., Tiwari, S., Gupta, M. and Wee, H. M. (2017). Impact of credit financing, storage system and changing demand on investment for deteriorating items. *International Journal of Systems Science: Operations & Logistics*, 1-19.

Li, Y., Kannan, D., Jha, P. C., Garg, K., Darbari, J. and Agarwal, N. (2018). Design of a multi echelon product recovery embeded reverse logistics network for multi products and multi periods. *Annals of Operations Research*, <https://doi.org/10.1007/s10479-018-2776-4>.

Liu, Y. J., Zhang, W. G. and Gupta, P. (2018). International asset allocation optimization with fuzzy return. *Knowledge-Based Systems*, 139(1), 189-199.

Mesiar, R., Sipeky, L., Gupta, P. and Jin, L. S. (2018). Aggregation of OWA operators. *IEEE Transactions on Fuzzy Systems*, 26(1): 284-291.

Nijhawan N., Aggarwal, A. G. and Dhaka, V. (2018). An SRGM for multi-release open source software system. *International Journal of Innovation and Technology Management*, 15(2), 1850011.

Sachdeva, N., Kapur, P. K. and Singh, O. (2018). Generalised framework for optimal pre and post release software testing in presence of warranty. *International Journal of Procurement Management*, 11(2), 172-200.

Sachdeva, N., Kapur, P. K. and Singh, O. (2018). Two-dimensional framework to optimize release time and warranty. In P. Kapur, U. Kumar and A. Verma (Eds.), *Quality, IT and Business Operations* (pp. 383-404). Singapore: Springer.

Sachdeva, N., Kapur, P. K. and Singh, O. (2018). When to start remanufacturing using adopter categorization. In P. Kapur, U. Kumar and A. Verma (Eds.), *Quality, IT and Business Operations* (pp. 443-465). Singapore: Springer.

Sharma, A. K., Jaggi, C. K. and Tiwari, S. (2017). Optimal replenishment policy for price dependent demand in different financial scenario under fuzzy environment. *International Journal of Inventory Research*, 4(2-3), 103-131.

Sharma, P., Malik, S. C., Gupta, A. and Jha, P. C. (2018). A DMAIC Six Sigma approach to quality improvement in the anodising stage of the amplifier production process. *International Journal of Quality & Reliability Management*, <https://doi.org/10.1108/IJQRM-08-2017-0155>.

Srivastava, P. W. and Gupta, T. (2017). Accelerated life test plan under modified rampstress loading with two stress factors. *International Journal of Reliability and Applications*, 18(2), 21-44.

Srivastava, P. W. and Manisha (2017). A zero failure ADT under ramp soak-stress loading. *Journal of Risk and Reliability*, 1-12, Doi: 10.1177/1748006X17743136.

Srivastava, P. W. and Savita (2018). An accelerated life test plan for a two-component parallel system under ramp-stress loading using masked data. *International Journal of Quality and Reliability Management*, 35(3), 811-820.

Srivastava, P. W. and Savita (2017). Design of ramp-stress accelerated life test plans for a parallel system with two independent components using masked data. *International Journal of Reliability and Applications*, 18(2), 45-63.

Tiwari, S., Jaggi, C. K., Gupta, M. and Cárdenas-Barrón, L. E. (2018). Optimal pricing and lot-sizing policy for supply chain system with deteriorating items under limited storage capacity. *International Journal of Production Economics*, 200, 278-290.

Tiwari, S., Jaggi, C. K., Bhunia, A. K., Shaikh, A. A. and Goh, M. (2017). Two-warehouse inventory model for non-instantaneous deteriorating items with stock-dependent demand and inflation using particle swarm optimization. *Annals of Operations Research*, 254(1-2), 401-423.

Verma, S. and Mehlaawat, M. K. (2017). Multi-criteria optimization model integrated with AHP for evaluation and selection of COTS components. *Optimization*, 66(11), 1879-1894.

Number of Department Teachers serving as Editor(s)/Member(s) of Editorial Board

Professor Chandra K. Jaggi

Chief-in-Editor, International Journal of Inventory Control and Management, Published by The Association for the Advancement in Combinatorial Sciences.

Chief-Editor, International Journal Of Scientific Research In Mathematical And Statistical Sciences, Published by International Scientific Research Organization for Science, Engineering & Technology.

Editor, International Journal of Systems Assurance Engineering and Management, Springer.

Associate Editor, The Gsf Journal of Mathematics, Statistics and Operations Research.

Member, Editorial Board, International Journal of Systems Science: Operations & Logistics, Taylor & Francis Group Ltd.

Member, Editorial Board, International Journal of Services Operations and Informatics, Inderscience Publishers Ltd.

Member, Editorial Board, American Journal of Operational Research, Scientific and Academic Publishing.

Member, Editorial Board, International Journal Of Enterprise Computing And Business Systems.

Member, Editorial Board, Research Journal of Management Sciences, International Science Congress Association.

Professor Pankaj Gupta

Associate Editor, Information Sciences (Elsevier).

Associate Editor, IEEE Transactions on Fuzzy Systems (IEEE Computational Intelligence Society).

Editor, Applied Soft Computing (Elsevier).

Associate Editor, International Journal of Fuzzy Systems (Springer).

Professor K. K. Aggarwal

Editorial Board Member, Amity Journal of Operations Management

Dr. Ompal Singh

Editorial Board Member, International Journal of Mathematical Engineering and Management Science (Springer).

Dr. Vandana Khaitan

Editorial Board Member, Amity Journal of Operations Management

Dr. Adarsh Anand

Associate Editor, International Journal of System Assurance and Engineering Management (Springer).

Editorial Review Board, Amity Journal of Operations Management.

Editorial Board Member, International Journal of Mathematical Engineering and Management Science.

Research Projects

DST-PURSE Phase-II Grant from University of Delhi, 2014-2018, Rs. 25 Lakh.

Seminars Organised

Dr. Mukesh Kumar Mehlawat, Organizing Secretary, Seminar-Cum-Workshop on Business Analytics and Intelligence Workshop organised by Department of Operational Research, University of Delhi, Delhi, February 10, 2018.

Seminar/Conference Presentations

Professor Chandra K. Jaggi

Invited Talk, Department of Statistics, Ram Lal Anand Colleges, University of Delhi, Delhi, India, February 26, 2018.

National conference on “Advances in Operations Research and Mathematical Sciences”, Vardhaman College, Bijnor (U.P.) February 24-25, 2018.

International Conference on Mathematics and its Applications’ at Department of Mathematics, The University of Burdwan, Burdwan, West Bengal, February, 15-17, 2018.

International Conference on “Recent Trends in Operations Research and Statistics”, Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee, India, December 28-30, 2017.

International Conference on, “Advancing Frontiers in Operational Research: Towards a Sustainable World (AFOR2017) in conjunction with the 50th Annual Convention of Operational Research Society of India, Heritage Institute of Technology, Kolkata, India, December 21 -23, 2017.

Invited Talk, Department of Mathematics, Techno India University, Kolkata, December 22, 2017.

Invited Talk 'Techniques of Systems Analysis, Modeling and Simulation' at ISSA, DRDO Metcalfe House, December 12, 2017.

7th International Science Congress, at College of Science and Technology Rinchending, Phuentsholing, Chukkha, Bhutan, December 8 - 9, 2017.

Delivered Professor J. N. Kapur Memorial Lecture at 20th Annual Conference of Vijnana Parishad of India on, “Mathematical Sciences and Scientific Computing for Industrial Development & International Symposium on Probabilistic Models and Special Functions “, Department of Mathematics & Statistics, Manipal University Jaipur, Jaipur, November 24-26, 2017.

Professor Pankaj Gupta

Delivered Invited talk on “Multicriteria Decision Making using AHP” in the National Seminar on Applications of Graph & Network in Computational Studies, Bioinformatics, Engineering and its Technical Terminology, JNU, New Delhi, March 13, 2018.

Delivered Invited talk on “Intuitionistic Fuzzy Multiattribute Decision Making Method” in the International Symposium on Operations Research and Game Theory: Modeling and Computation, Indian Statistical Institute, Delhi Centre, January 11, 2018.

Delivered Invited talk on “Multicriteria Decision Making” in the Symposium on Mathematical Programming and Game Theory organised, South Asian University, New Delhi, December 15, 2017.

Professor Preeti Wanti Srivastava

Delivered invited talk on “Accelerated Life Tests with Dependent Competing Risks using Tampered Failure Rate Models”, IISA 2017, Hyderabad, December 27-30, 2017.

Dr. Ompal Singh

Presented paper in the International Conference of VijnanaParishad of India on “Recent Trends of Computing in Mathematics, Statistics & Information Technologies”, Bundelkhand University, Jhansi, March 9-11, 2018.

Presented paper in the “DQM International Conference on Life Cycle Engineering and Management”, Prijevor, Serbia, June 28-29, 2018.

Mr. Kaushal Kumar

Presented a paper titled “Optimal Location of Primary Health Centres to minimize load on tertiary hospitals” in the “4th Management Doctoral Colloquium and VGSOM Research Scholars Day”, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, March 14-15, 2018.

Presented a paper titled “A Maximal Coverage Model for Optimal Location of Primary Health Care Facilities ” in the International Conference on “Advanced Frontiers in Operational Research: Towards a Sustainable World”, Operational Research Society of India at Kolkata, December 21-23, 2017.

Dr. Adarsh Anand

Presented paper in the International Conference of VijnanaParishad of India on “Recent Trends of Computing in Mathematics, Statistics & Information Technologies”, Bundelkhand University, Jhansi, March 9-11, 2018.

Delivered talk in the “DQM International Conference on Life Cycle Engineering and Management”, Prijevor, Serbia, June 28-29, 2018.

Presented paper in the “International Conference on Quality Assurance Engineering and Interdisciplinary Research”, Peter the Great St. Petersburg Polytechnic University, Russia, August 23-25, 2017.

Placement Details

Number and percentage of students placed: 69 (61%)

Number of Companies visited for campus recruitment: 23

Number of M.Phil./ Ph.D. Degrees Awarded

Ph.D. : 08

M.Phil. : 16

Faculty Strength

Permanent – 12

Other Significant Information

Professor Preeti Wanti Srivastava

Invited as visiting fellow in Department of Statistics, Panjab University, Chandigarh, March 15-21, 2018.

STATISTICS

Major Activities and Achievements

The Department of Statistics is involved in carrying out research and teaching in diverse fields of Statistics. It has used the power of Statistics and knowledge of computers to contribute significantly in the area of research. The main thrust of the Department is to conduct basic and applied research and to develop trained manpower in the discipline of Statistics. The Department conducts three degree-oriented programmes, viz. M.A./ M.Sc. Statistics, M. Phil. and Ph.D. with a syllabus that incorporates emerging and core areas in different fields of Statistics. The Department also organizes special invited talks by eminent persons from India and abroad. Distinguished Professors visited the Department to deliver research talks and interact with the faculty and students. The Department has achieved a great success in suitable placement of students in reputed national and international companies/organizations.

Publications

Chaturvedi A., Belaghi A. R. and Malhotra A. (2018). Preliminary test estimators of the reliability characteristics for the three parameters Burr XII distribution based on records. *International Journal of*

System Assurance Engineering and Management. <https://doi.org/10.1007/s13198-018-0710-4>. [ISSN: 0976-4348]

Mukhopadhyay N., Chaturvedi A. and Malhotra A. (2018). Two-stage procedures for the bounded risk point estimation of the parameter and hazard rate in two families of distributions. *Journal of Sequential Analysis*, 37 (1), 69-89. <https://doi.org/10.1080/07474946.2018.1427978>

Chaturvedi, A. and Kumari, T. (2017). Estimation and Testing Procedures for the Reliability Functions of a General Class of Distributions. *Communications in Statistics-Theory and Methods*, 46(22), 11370-11382. [ISSN: 0361-926].

Chaturvedi, A. and Kumari, T. (2017). Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme. *Communications in Statistics-Theory and Methods*. Doi:<https://doi.org/10.1080/03610926.2017.1414264> [ISSN: 0361-926].

Chaturvedi A. and Malhotra A. (2017). On the construction of preliminary test estimators of the reliability characteristics for the exponential distribution based on records. *American Journal of Mathematical and Management Sciences*. Doi:10.1080/01966324.2017.1392269.

Seminars Organised (Selected)

Ms. Debanjana Datta, Director of NSSTA, Greater Noida “Opportunities in Government Sector and life of an ISS officer” and “Official Statistics” on March 16, 2018.

Professor P. Yageen Thomas, Department of Statistics, University of Kerala, kariavattom Trivandrum “Role of concomitant of some ordered random variables in determining parent bivariate distribution” on Feb 01, 2018.

Professor Stephen Stigler, University of Chicago, U.S.A. “Mahalanobis and Fisher : Mathematical Statistics as Global Enterprise” on December 12, 2017.

Professor Nick Wood, Director of Innovation and Enterprise, University of Kent, U.K. “The Actuarial Profession” on September 15, 2017.

Professor Arun Kumar Sinha, Professor and Head (I/C), Department of Statistics, University of South Bihar, Patna “Rank Set Sampling as a Cost Effective Data Method” August 18, 2017.

Conferences Organised

Faculty Development Program on Financial Statistics during Dec 20-22, 2017.

Faculty Development Program on Actuarial Statistics during Dec 27-28, 2017.

Placement Details (Number and percentage of Students placed)

Number and percentage of students’ participants: 56 and 75.67%

Number and percentage of students placed: 52 and 92.86%

Number of Companies visited for campus recruitment: 23

Extension and Outreach Activities

Orientation program for batch 2017-18

Orientation program for placement of M.A./M.Sc. batch 2017-18

Teacher’s Day celebration on Sep 5, 2017

CV making Workshop on Sep 15, 2017

Series of aptitude tests organised for M.A./M.Sc. 1st year students in the months February-April.

Number of Ph.D./M. Phil. Awarded

Ph.D. - 06

M.Phil. - 06

Number of faculty Permanent/Temporary/Ad-hoc

Permanent - 04

Ad-hoc - 05

Other Significant Information

The Department has its own placement cell called Credence. It was created in 2004, with an objective to provide a platform for placements of students pursuing M.A./M.Sc. Statistics from University of Delhi. Through the placement cell, students get an opportunity to interact with organizations in the corporate world. Every year, about 75% of the students get placed through Placement Cell. In 2017-18, 52 students got placed through the Placement Cell. The Department has its own website statistics.du.ac.in. The information about the placement cell, faculty, research scholars, and other staff of the department, courses run by the department, syllabus and other relevant information can be found on the department website. The Department has two well-equipped fully computerized laboratories with latest computing facilities to the students and researchers.

FACULTY OF MEDICAL SCIENCES

The Faculty of Medical Sciences began in the year 1970 for training students in Medical Sciences at Undergraduate, Postgraduate, Super-specialty and Ph.D levels. It has fourteen colleges/institutes affiliated to it. Number of Medical Colleges and Hospitals affiliated to it :-

Maulana Azad Medical College, New Delhi 110002
Lady Hardinge Medical College, New Delhi 110001
University College of Medical Sciences, Delhi 110095
Vallabhbhai Patel Chest Institute, Delhi 110007
GB Pant Institute of PG Medical Education & Research, Delhi 110002
Maulana Azad Institute of Dental Sciences, New Delhi 110002
Institute of Human Behaviour and Allied Sciences, Delhi 110095
Army Hospital (Research & Referral), Delhi Cantt 110010
National Institute of Health and Family Welfare, Munirka, Delhi 110067
Kasturba Hospital, Delhi 110002
Institute of Nuclear Medicine and Allied Sciences, Timarpur, Delhi 110054
Hindu Rao Hospital, Malka Ganj, Delhi 110007
Central Health Education Bureau, Delhi 110002
Chacha Nehru Bal Chikitsalaya, Geeta Colony, Delhi 110031

Courses:

Undergraduate:-

1. MBBS
2. BDS
3. B.Sc. (MIT) Radiology

Postgraduate: - MD and MS Courses:

i.	Anaesthesiology
ii.	Anatomy
iii.	Biochemistry
iv.	Community Health Administration
v.	Community Medicine
vi.	Dermatology, Venereology & Leprosy
vii.	Forensic Medicine
viii.	General Medicine
ix.	General Surgery
x.	Microbiology
xi.	Obstetrics & Gynaecology
xii.	Ophthalmology
xiii.	Orthopedics
xiv.	Otorhinolaryngology(E.N.T)
xv.	Paediatrics

xvi.	Pathology
xvii.	Pharmacology
xviii.	Physiology
xix.	Psychiatry
xx.	Pulmonary Medicine
xxi.	Radio Diagnosis
xxii.	Radio Therapy

Dental Courses: -

MDS Conservative & Endodontics
MDS Oral and Maxillofacial Surgery
MDS Oral Medicine & Radiology
MDS Oral Pathology
MDS Orthodontics & Dentofacial Orthopaedics
MDS Paedodontics & Preventive Dentistry
MDS Periodontology
MDS Prosthodontics and Crown & Bridge
MDS Public Health Dentistry

M.Sc. and M.Phil. Courses: -

M.Sc. (Medical Imaging Technology)
M.Phil. (Clinical Psychology)

Super-speciality Courses: -

DM Cardiology
DM Medical Gastroenterology
DM Neonatology
DM Neurology
DM Cardiac Anaesthesia
DM Pulmonary Medicine
M.Ch. Cardio-Vascular & Thoracic Surgery (CVTS)
M.Ch. Neurosurgery
M.Ch. Pediatric Surgery
M.Ch. Surgical Gastroenterology

P.G. Diploma Courses:-

Anaesthesiology (DA)
Derma, VEN., & LEP (DDVL)
Health Administration (DHA)
Health Education (DHE)
Obstetrics & Gynaecology (DGO)
Ophthalmology (DO)
Otorhinolaryngology (DLO)
Paediatrics (DCH)
Radiation Medicine (DRM)
Radio-Diagnosis (DMRD)

Ph.D. Programme:-

- Anaesthesiology
- Anatomy
- Bio-Chemistry
- Community Medicine
- Dermatology, Venereology and Leprosy
- General Medicine
- General Surgery
- Microbiology
- Obstetrics & Gynaecology
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Radiology
- Pulmonary medicine

The following departments are there in the Faculty of Medical Sciences:

- Anaesthesiology
- Anatomy
- Bio-Chemistry
- Community Medicine
- Derma., ven. & lep.
- Forensic Medicine
- General Medicine
- General Surgery
- Microbiology
- Obstetrics & Gynaecology
- Ophthalmology
- Orthopaedics
- Otorhinolaryngology (E.N.T.)
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Psychiatry
- Pulmonary Medicine
- Radiology
- Radiotherapy
- Dental Science

Admissions: Every year the faculty admits students for its undergraduate, Postgraduate, Super-Speciality and Ph.D. Courses. In the year 2017, the following number of students were admitted:-

MBBS - 600 Students

BDS - 40 students
Postgraduate (MD/MS/Diploma/MDS) Students - 546
DM and MCh Students - 47
PhD students - 12
B.Sc. (MIT) Radiology – Admission by concerned college
M.Sc. (Medical Imaging Technology) – Admission by concerned college
M.Phil. (Clinical Psychology) - Admission by concerned college

Degrees awarded (2017-18):

MBBS/BDS: degree awarded by respective Colleges
MD/MS & Diploma: degree awarded by respective Colleges
DM/M.Ch: degree awarded to 39 students from Delhi University
PhD: degree awarded to 26 students from Delhi University

Patent filed: Dr. Sumit Jha (IIT, Delhi) and Dr. Lalit Maini (Department of Orthopaedics, Maulana Azad Medical College): Bending of Orthopedic Plates Indian Application Number 2017111038563. Applicant is IIT Delhi.

ANATOMY (LHMC)

Major Activities and Achievements

All rooms have Internet connectivity and Medical Cytogenetics lab will soon be functional.

Honours/Distinctions

Dr. Anjoo Yadav got awarded with “The International Certificate on Principles of Bio-ethics and Human Rights” after completion of the three-month online Certificate Course by UNESCO Chair in Bio-ethics, Haifa, Deptt. of Education in Oct 2017

Publications

Agarwal, B. B., Agarwal, S., Dhamija, N. and Chintamani, C. (2017). Practice of Surgery–Decision, Precision, Incision. *Indian Journal of Surgery*, 79(5) Doi: 10.1007/S122262-017- 1711-2.

Gandhi, S., Singla, R. K., Kullar, J. S., Agnihotri G. (2017). Distal Tibial Morphometrics-Clinico-Anatomical Appraisal. *NSJA*, 2(1), 21-26.

Panse, N. S., Joshi, S. B., Sahasrabudhe, P. B., Bahetee, B., Gurude, P. and Chandanwale, A. (2017). The Anterior Interosseus Artery Perforator Flap. *Anatomical Dissections and Clinical Study*.6 (2), 152-158.

Verma, M., Joshi, S., Tuli, A., Raheja, S., Jain, P. and Srivastava, P. (2017). Morphometry of Proximal femur in Indian population. *J Clin Diagn Res*, 11(2), AC01-AC04.

Journals Published/ Edited

Dr Anita Tuli: Editorial board member for online journal ‘Brachial plexus, Forensic and Neuroscience, Journal of ASI, Reviewer for Elsevier

Research Projects

Non funded:

Morphometry of the trachea-bronchial tree dimensions: Gross and CT Study and its topographic relationships with pulmonary artery in Adults. Dr. Sweta Maurya (candidate). Supervisor, Dr. Anita Tuli

Faculty Strength: 12

Other significant information

EMBALMING: 655 bodies were embalmed during the period from 1st Jan.2017 till December 2017 for teaching of medical students as well as public service (LHMC being nodal centre for Embalming).

Dr. Shashi Raheja: Member Editorial board for Indian Journal of Otology

Department organised

Body Donation Awareness Campaign (2016-2017) and Felicitation programme of Families of Donors, Registered donors and volunteers, Release of Magazine "Tribute to a silent teacher- Human Body". Venue- Swarn Jayanti Auditorium, LHMC. May 12th, 2017

Educational & Motivational Tour for Girl students of Srinagar (J&K) under

'Sadbhavana' Indian Army's Flagship with OIC Major Ravi Shukla. Date: Dec. 2017

Educational & Motivational Tour for Girl students of Ladhak under 'Sadbhavana' Indian Army's Flagship Date: Jan. 2018

ANATOMY (UCMS)

Major Activities and Achievements

Cadaveric oath was taken by new medical entrants. Faculty and residents were involved in imparting quality teaching to I and II semester MBBS, BSc Radiology, BSc Physiotherapy and MLT students. Apart from this, despite acute shortage of faculty and residents, the faculty and residents managed to publish papers and at the same time conducted University level examination for all the courses. The faculty was also involved in examining PhD thesis, MS Anatomy thesis and were also external examiners for MBBS and MD Anatomy courses of various Universities. Was invited to attend Deh Daniyon ka Utsav at **Rashtrapati Bhavan**. Chief guest on this occasion- was Honourable President of India – Shri. Ram Nath Kovind. The department helped in organizing ENT and Surgery workshops. Faculty members of the Department are reviewer of various journals.

Honours/Distinctions

Dr. Renu Chauhan was awarded 'Distinguished Doctor's' Award by IMA on 06.07.2017 on doctors' day celebration. She was one of the organizing chair person in the ENT workshop – "Hands on Head and Neck Cadaveric Dissection and Reconstruction workshop" held in Department of Anatomy from Oct. 12-14, 2017.

Publications

Esakkiammal, N., Chauhan, R. and Sharma, R. (2017). Clinical implications of variable origin of external carotid artery branches and high-level bifurcation of common carotid artery. *Int J Anat Res*, 5(2.3), 3958-3963.

Esakkiammal, N., Chauhan, R. and Sharma, R. (2017). Clinical significance of presence of extensor indicis brevis manus – A case report. *J Clin Diagn Res*, 11(11), 5-6.

Jha, S. and Chauhan, R. (2017). Morphological and topographic study of diaphyseal nutrient foramen of femur and its clinical implications in North Indian Population. *International J. of Research in Medical Sciences*. 5(9), 4036-4040.

Jha, S., Khorwal, G. and Kalra, S. (2017). An extraordinary variation in origin of inferior alveolar nerve and its clinical significance: A case report. *International J. of Research in Med. Sciences*. 5(7), 3235-3238.

Jha, S., Kumar, D., Kaul, J. M., Singh, T. and Dubey, A. P. (2017). Cytogenetic pattern profiling in cases of Acute Lymphoblastic Leukemia in Pediatric age group. *Journal of Anatomical Society of India*, 66, 48-53.

Kalra, S., Thamke, S. and Khandelwal, A. (2017). Anatomy of coracoids process and glenoid cavity – A morphometric study. *J of Anat. Soc. of India*, 66, S90.

Khorwal, G., Chauhan, R. and Nagar, M. (2017). Effect of cyclophosphamide on liver in albino rats: a comparative dose dependent histomorphological study. *IJBAR*, 8(03), 102-107.

Khorwal, G. and Kalra, S. (2017). A peculiar case of dural venous sinuses with resulting atypical bony markings in posterior cranial fossa. *International Journal of Research in Medical Sciences*. 5(6), 2830-2832.

Nagpal, H. and Chauhan, R. (2017). Unilateral Duplex Collecting System with incomplete duplication of ureter – A case report. *International Journal of Research in Medical Sciences*, 5(5), 2254-2256.

Nagpal, H., Chauhan, R. and Kalra, S. (2017). A unique variation of right renal artery: a case report. *International Journal of Anatomy and Research*, 5(3.2), 4303-4307.

Yadav, S., Kalra, S. and Wadhwa, S. (2017). Destructive effects of 4-methylimidazole on histomorphology of liver. *Journal of Morphological Sciences*, 34(4), 232-235.

Conference Organised

“Hands on Head & Neck, Cadaveric Dissection and Reconstruction” a Workshop by the Department of ENT and Anatomy from Oct. 12-14, 2017.

Acute Critical Care, a workshop by the Department of Surgery and Anatomy on 1st Jan, 2018.

Seminars / Conference Presentations

Dr. Chauhan Renu :-Chaired a session in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi on Oct. 13, 2017

Dr. Kalra Sunita :- Took a guest lecture on “Surgical Anatomy of larynx” in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop held in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi on Oct. 12, 2017.

Placement Details : 3

Dr Gitanjali Khawal joined as Assistant Professor in the Department of Anatomy, AIIMS, Rishikesh, U.P.

Dr Shweta Jha joined as Assistant Professor in the Department of Anatomy, Banaras U.P.

Dr Hema Nagpal joined as Assistant Professor in the Department of Anatomy, Sarawati Institute of Medical Sciences, Hapur, U.P.

Faculty Strength: 2/8

ANAESTHESIOLOGY (MAMC)

Major activities and achievements

The department faculty received various awards and organised the prestigious post graduate assembly of North Zone. The department published around 47 publications in international and national journals of repute and contributed chapters in books. Faculty members were active participants in various academic conferences and delivered various talks and conducted workshops. The departmental faculties are on editorial boards and reviewers of reputed journals. They are examiners for various exams and experts and assessors of various boards and also involved in health services to community.

Honors and distinctions

Dr Kapil Chaudhary was awarded the IAPC Certificate in Essentials of Palliative Care on completion of certificate course at BRAIRCH, AIIMS in May 2017.

Publications

Arya, M., Dali, J. S., Hussain, F. and Sarin, Y. K. (2017). Cystic teratoma of face and scalp- Management of difficult pediatric airway by modification of conventional technique. *J. Neonatal surg*, 6, 82.

Bhadoria, D. P., Goyal, K., Nithin, S. G., Pradhan, G. S. and Bhadoria, P. (2017). Correlation between Lung Function and Carotid Intima Media Thickness in Indian Patients of Stable Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*, 195, A3632.

Bhadoria, P., Nithin, S. G., Goyal, K. and Bhadoria, D. P. (2017). Correlation between Lung Function and Carotid Intima Media Thickness in Indian Patients of Bronchial Asthma. *Am J Respir Crit Care Med*, 195, A7466.

Bhalotra, A. R. (2018). Negative pressure pulmonary edema. *Korean J Anesthesiol*, 71(1), 71-72.

Bhalotra, A. R. (2018). Let us not discard a preexisting epidural catheter for intrapartum caesarean section yet! *Korean J Anesthesiol*, 71(3), 244-245.

Bhalotra, A. R. (2018). Breathing circuit compliance and displayed tidal volume during pressure-controlled ventilation of infants. *Pediatric Anesthesia*, 28(3), 301-302.

- Chaudhary, K., Bagharwal, P., Wadhawan, S. (2017). Anesthesia for intellectually disabled. *J Anaesthesiol Clin Pharmacol*, 33(4), 432-40.
- Choudhary, N., Kumar, A., Wadhawan, S., Bhadoria, P. and Kohli, A. (2017). Hip replacement in a patient of sickle cell disease: an anaesthetic challenge. *Indian Journal of Clinical Anaesthesia*, 4(4), 539-41.
- Chugh, V., Bhalotra, A. R. (2017). Is single-shot thoracic epidural the only aid to early discharge after pediatric laparoscopic cholecystectomy? *Paediatric Anaesth*, 27(8), 871- 872.
- Dhanda, A., Singh, S., Bhalotra, A. R., Chavali, S. (2017). Clinical Comparison of I-Gel Supraglottic Airway Device and Cuffed Endotracheal Tube for Pressure-Controlled Ventilation during Routine Surgical Procedures. *Turk J Anaesthesiol Reanim*, 45(5), 270–276.
- Dubey, M., Goel, N., Choudhary, I. and Gupta, L. (2017). C-MAC D-blade laryngoscope: A saviour for difficult intubation in lateral position. *IJCA*. 4(4), Doi:10.18231/2394-4994.2017.0107.
- Gandotra, S., Saxena, K. N. and Sharma, K. (2017). Management of cesarean section in a patient with paraplegia and difficult airway with full stomach – a case report. *Int J Anes&Rel*, 1(1), 11-12.
- Gupta, B., Gupta, A., Agarwal, M. and Gupta, L. (2017). Glenn shunt: Anaesthetic concerns for a non cardiac surgery. *Northern Journal of ISA*, 2, 36- 42.
- Gupta, B. and Gupta, L. (2018). Anesthesia Consideration for Renal Disease. A review Article. *ARC Journal of Anesthesiology*, 3(1), 9-14.
- Gupta, B. and Gupta, L. (2018). Anesthetic considerations in a case of Fahr and primrose syndrome. *Anesthesiol Open J*. 3(1), 1-6.
- Gupta, B. and Gupta, L. (2018). Anesthesia Considerations for anemia in pregnancy. *International Research Journal of Pharmacy and Medical Sciences*, 1(2), 10-13.
- Gupta, B., Gupta, L. and Kakkar, K. (2018). Anesthesia Considerations for Pheochromocytoma. *International Research Journal of Pharmacy and Medical Sciences*, 1(1), 29-33.
- Gupta, B. and Gupta, L. (2018). Anesthesia and Cardiovascular Disease. *Archives of Anesthesiology*, 1(1), 1-9.
- Gupta, B., Kakkar, K., Gupta, L. and Gupta, A. (2018). Anesthetic considerations for a parturient with pulmonary hypertension: A review article. *Indian Anaesth Forum*, 18(2), 39-45. Doi: 10.4103/TheIAForum. TheIAForum_28_17.
- Gupta, B., Kakkar, K., Gupta, A. and Gupta, L. (2017). Advik Technique' of Peripheral Intravenous Cannulation-Different Perspective in Difficult Situations. *ARC Journal of Anesthesiology*, 2(2), 5-6. Doi: <http://dx.doi.org/10.20431/2455-9792.0202002>
- Gupta, B. and Kerai, S. (2018). Warranted use of fiberscope in elective percutaneous dilatational tracheostomy. *The Indian Anaesthetists' Forum*, 19(1), 34-5.
- Gupta, B. and Kerai, S. (2018). Amlodipine toxicity complicated by concurrent medications. Doi: <https://doi.org/10.4097/kja.d.17.00071>.
- Gupta, B., Prasad, N., Agarwal, M. and Seth, V. (2017). Total intravenous anesthesia for parathyroid adenoma in a child. *APSP J Case Rep*, 8, 35.
- Gupta, D., Taneja, B. and Saxena, K. N. (n.d.) Anesthetic considerations in a case of post splenectomy reactive thrombocytosis. [Accepted for publication in NJISA (Northern Journal of ISA)].
- Gupta, L., Kakkar, B., Gupta, A. and Jain, R. (2018). Anesthetic considerations in an infant with congenital cystic adenomatoid malformation. *IJCA*, 5(1), 156-158.
- Hasija, N., Wadhwa, B. and Saxena, K. N. (2017). Unexpected Epidural Catheter Migration: Avoiding the pitfalls. *Egyptian Journal of Anesthesia* <https://doi.org/10.1016/j.egja.2017.09.004>.
- Kakkar, B., Agarwal, M., Sehgal, A. and Prasad N. (2017). Anesthetic considerations for video-assisted thoracoscopic surgery in a child with Glenn Shunt for thoracic duct ligation. *Saudi J Anaesthesia*, 395, 17R3.
- Kakkar, B., Prasad, N., Seth, V. and Agarwal, M. (2017). Successful combined spinal- epidural anesthesia for a case of scleroderma for amputation. *The Indian Anesthetists Forum*, 18(2).
- Kakkar, B., Bhalotra, A., Gupta, L., Gupta, A. and Boishya, M. (2017). Relevance of whatsapp anaesthesia group in clinical practice. *International Journal of Current Advanced Research*, 6(2), 2211.

- Kakkar, B. and Bhalotra, A. R. (2017). Anaesthesia for the deaf and dumb. *Korean J Anesthesiol*, 70(6), 654-655.
- Kakkar, B., Kachru, N., Boishya, M. and Gupta, L. (2017). Pediatric septic arthritis with pericardial and pleural effusions for emergency drainage. *IJCA*, 4(3), 412-415. Doi:10.18231/2394-4994.2017.0082.
- Kakkar, B., Gupta, L., Gupta, A. and Kakkar, K. (2017). Avoiding failed spinal anesthesia: "Advik technique". *Saudi J Anaesth* 11(4), 495-496. Doi: 10.4103/sja.SJA_98_17.
- Kakkar, B., Ahmad, S., Gurha, P., Gupta, L. and Gupta, A. (2017). Effects of Dexmedetomidine on Intraoperative Hemodynamics and Opioid Requirement in Laparoscopic Cholecystectomy. *Indian Journal of Anesthesia and analgesia*, 4(2), 191-196. Doi: <http://dx.doi.org/10.21088/ijaa.2349.8471.4217.2>. [ISSN No. 2394-8471]
- Kerai, S., Saxena, K. N. and Taneja, B. (2017). Post-caesarean analgesia: what is new? *Indian Journal of Anaesthesia*, 61(3), 200-214.
- Kerai, S. and Saxena, K. N. (2017). Quadratus lumborum block for post-caesarean analgesia. *Indian journal of Anaesthesia*, 61(4), 364.
- Kerai, S., Sehrawat, L., Saxena, K. N. and Taneja, B. (2017). Occurrence of Kounis syndrome under anesthesia. *J AnaesthesiolClinPharmacol*, 33, 276-7.
- Nishtha, K., Riniki, S., Dineep, A. and Lalit, G. (2017). Lost and Found! Broken Tracheostomy Tube in Situ. *Indian Journal of Anesthesia and analgesia*, 4(2), 357-359. Doi: <http://dx.doi.org/10.21088/ijaa.2349.8471.4217.29>. [ISSN: 2394-8471]
- Panwar, S., Arora, D., Kapur, A. and Saxena, K. N. (2017). Sterile water injection labour analgesia in a parturient with preeclampsia with thrombocytopenia. *Int J ReprodContraceptObstetGynecol*, 6, 743-5.
- Panwar, S., Saxena, K. N. and Gaba, P. (2017). Patient with persistent low oxygen saturation for emergency cesarean section. *Anesth Essays Res*, 11, 778-80.
- Sarin, Y. K., Raj, P., Arya, M. and Dali, J. S. (2017). Congenital syngnathia; turmoils and tragedy. *J Neonat Surg*, 6, 12.
- Saxena, K. N., Gaba, P. and Taneja, B. (2017). An unexpected cause of post- operative temporomandibular joint subluxation. *Northern Journal of ISA*, 2, 31- 32.
- Sikri, H., Taneja, B. and Saxena, K. N. (2017). Does the maternal position at the time of administration of subarachnoid block with plain Ropivacaine affect the hemodynamic? A comparative evaluation of the sitting versus lateral position. *Int J Med Health Sci*, 6 (4), 237-42.
- Singh, A. and Gupta, L. (2018). Supraglottic Airway Devices: A Knock of Future. *Anaesth Critic Care*, 3(1), 129. [ISSN: 2577-4301].
- Singh, R., Sood, N., Kerai, S. and Puri, A. (2017). Use of Merocel aids in prevention of nasal pressure ulcers following nasal intubation: case series of 33 patients. *Indian Journal of Anaesthesia*, 61(6), 513.
- Varughese, S. A., Saxena, K. N. and Taneja B. (n.d.) Comparative evaluation of single level paravertebral block versus caudal block for post-operative analgesia in pediatric inguinal surgery. [Accepted for publication in NJISA (Northern Journal of ISA)].
- Wadhwa, B., Hasija, N. and Saxena, K. N. (2017). Regional anaesthesia for the neonate. *J Neonatal Surg*, 6, 79.
- Wadhwa, B., Gandotra, S., Bansal, V. and Saxena, K. N. (2017). A Potentially Devastating Unexpected Complication of Intubation. *MAMC J Med Sci*, 3, 172-3.

Chapters/ Books Published

- Kumar, Rakesh & Gupata, Akhilesh. (2017). Airway Management in Oral Surgeries. In Gupta N, Garg R, Bharti SJ, Kumar V, Mishra S & Bhatnagar S. Selina. (Eds.). *Update in Onco-Anaesthesia*, (pp.99-110). New Delhi: Publishers.
- Arya, Mona. (2017). Anaesthesia & Analgesia for Obstetrics. In Sachdev, Poonam and Batra, Swaraj. (Eds.). *Essentials of Obstetrics*. Thieme Publishers.
- Chaudhary, Kapil. (2017). ICU care for Obstetrics. In Batra, Swaraj. (Ed.). In Sachdev, Poonam and Batra, Swaraj. (Eds.). *Essentials of Obstetrics*. Thieme Publishers.

Journals

Departmental teachers serving as editors or members of editorial board

Dr. Kirti Nath Saxena, Director, Professor: On Editorial Board of

Journal of Anaesthesiology clinical pharmacology. Northern Journal of ISA

Journal of Anaesthesiology & Pain Researcher Medical Journal of DY Patil University,

Anaesthesia Intensive Care and pain therapy, Journal of Anesthesiology and Pain Research

Dr Lalit Gupta

Journal of Clinical Anesthesia

Journal of Anesthesia and Analgesia

Science Domain Journal

American Research Journal of Anesthesia

Seminars organized

Monthly clinical meet of Delhi Chapter of ISA November 2017

Conferences organised

North Zone PG Assembly February 2018

Seminar/conference presentations

Dr. J. S. Dali

International conference on perioperative care of cancer patients at AIIMS, New Delhi, Oct. 14-15th, 2017: Expert /Panelist – In a panel discussion.

PG Assembly, GB Pant Hospital, Feb, 2018 – delivered a lecture on Oxygen therapy

Dr. Poonam Bhadoria

Indian Society Anesthesiology Conference, Dehradun, Uttarakhand (ISACON-UK 2017) 28-29 October 2017. Chaired as judge for competitive paper session

Coordinator of live workshop on operative procedures in conference of GNEC, New Delhi, 9 Dec 2017

Dr. Rakesh Kumar

International Conference of Peri-operative Care of Cancer Patients KAAMCON Kochi

PG Assembly at GB Pant hospital

PG Assembly of ISA-North Zone, Delhi

PG Assembly of ISA-UP, Lucknow

Dr. Kirti Nath Saxena

Invited as expert in All India Radio program ‘ Baat Sehat ki’ in April 2017

Invited as faculty in ISA Delhi branch annual conference to conduct panel discussion on ‘Controversies in obstetric anesthesia’ on April 8, 9 2017 .

Invited as faculty in PG Assembly of North Zone ISA and took lecture on ‘Patient with valvular heart disease for cesarean section’ on 23.8.17

Invited as faculty to ICACON 2017, Varanasi. Took lecture on ‘Labour analgesia modalities’. Chaired session on ‘Obstetric Anesthesia’.

Moderator for presentations in ISA monthly meet in MAMC

Invited as faculty in PG Assembly of ICA at GB Pant hospital and took lecture on ‘Patient with valvular heart disease for cesarean section’ in Feb. 2018.

Dr. Munisha Agarwal

ISA Delhi Chapter, organised by Fortis Hospital, Gurgaon, Panelist for discussion on “ Safety Practices in Anesthesia for morbidly obese” April 9th, 2017

Seed workshop on Airway Management 2017 at LHMC, Delhi- Delivered lecture on “General Anesthesia for Difficult Airway”.

24th Annual .NARCHI Conference of Obstetrics and Gynaecology ,LHMC,Delhi, Panelist for case discussion on “Sepsis in Obstetrics“, Oct. 28th—29th, 2017

ENT MAMC Update, delivered lecture on “Anaesthesia for ENT Surgeries”, Dec 2nd 2017.

Bariatric Surgery CME, Max Superspeciality Hospital, Delhi, delivered a lecture on Éxtubation strategies in Morbidly Obese patients’and chaired a session on Difficult Airway Management in morbidly obese patients, Feb. 3rd-4th, 2018;

Airway Congress 2018, Delhi, faculty for Fibreoptic intubation station and panelist for Difficult airway management cases.

Dr. Kavita Rani Sharma,

Chaired a session at IAPA 2017

Delivered a lecture at PG Assembly ISA Delhi branch at GIPMER, Feb 2018

Delivered a lecture at PG Assembly at UCMS, Aug 2017

Dr. Anju Bhalotra

Invited as faculty for CME on Paediatric anaesthesia at PGI Chandigarh and delivered lecture on “Perioperative management of burns in children”, August 13, 2017

Faculty at AIDAA NAC Conference at AIIMS. Moderated 2 panel discussions: 1. Airway management in obese patients 2. Airway management in patients with burn contracture neck. Judged the E poster session, Sept. 8th- 10th, 2017.

Invited as faculty for PGA at GTBH on “Pregnant patient for non-obstetric surgery; laparoscopic cholecystectomy/ appendicectomy”, on August 23rd, 2017.

Delivered a lecture on ‘Paranasal oxygenation in the obese’ at ASOCON 2018 and Bariatric Anesthesia CME Series 9 MAX superspeciality hospital Saket, Feb 2nd-3rd, 2018.

Expert on panel discussion at AIRWAY – 2018, Feb. 10th-11th, 2018.

Delivered a lecture on “Allowable Blood Loss estimation in Surgery” at Paediatric Surgery Update at MAMC, Delhi, March 23 rd , 2018.

Delivered a lecture on “Pregnant patient for non-obstetric surgery; laparoscopic cholecystectomy/ appendicectomy” at PGA 2018 at GBPH , Feb. 24 th ,2018

Participated in BLS and ACLS courses at PGMET cell, MAMC

Dr. Sonia Wadhawan

A lecture on ‘Anaesthetic considerations in a patient with PIH’ in PG Assembly conducted by GB Pant and MAMC at GIPMER, Feb. 2018.

Instructor for the MAMC Surgical skills and life support courses(SSLSC), Aug- Sept. 2017.

Pathophysiology & anaesthetic considerations for cesarean section in a patient with severe PIH at the ISA - PG Assembly at UCMS, August 23rd, 2017.

Instructor in the MAMC Post graduate advanced life support courses(PGACLS)- 2017 program Sept-Nov. 2017.

Moderated a session in the ISA monthly meet organised by Deptt of Anesthesia at MAMC in October 2017

As Faculty in Airway 2018 at Aerocity, New Delhi I moderated a session on Pediatric airway Feb 10-11, 2018.

Dr. Bharti Wadhwa

Faculty as chairperson at Annual conference of ISA Delhi branch, April 2017.

Faculty for workshop at Seed Workshop of Airway Management Foundation September 2017.

Lecture on Videolaryngo scope at Seed Workshop of Airway Management Foundation September 2017.

Invited as Faculty for Lecture on Obstetric Airway Feb2018 Airway 2018.

Faculty for workshop on AEC, Airway 2018, Feb 2018.

Lecture on Labor Analgesia at NZ PG Assembly 2017 held at UCMS New Delhi August 2017.

Moderator for monthly clinical meet of ISA Delhi Chapter held at MAMC, November 2017.

Dr. Neelam Prasad

Represented Delhi at National ISACON – Kolkata 2017 for T N JHA.

Poster presentation of paper in American Society of Anaesthesia 2017 Boston.

Examiner for Diploma in Anesthesia held in April 2017.

Faculty at conference held in Lady Hardinge Medical College for Airway Management Foundation.

Faculty for ACLS/BLS course held in Maulana Azad Medical college for undergraduate and postgraduate students.

Faculty at postgraduate assembly held in GB Pant Hospital in Feb 2018.

Faculty at pilot project ATCOM held in Maulana Azad Medical college for first year undergraduate students.

Dr. Mona Arya

Lecture taken in PG Assembly held by ISA(Delhi) in GB Pant Hospital, Feb. 2018

Lecture taken in ISA North Zone PG Assembly, 2017 held in UCMS , August 2017.

Dr. Kapil Chaudhary, Assistant Professor

Workshop Faculty for workshop on “Mask ventilation and optimization” during 1st Seed workshop to AIRWAY 2018 organised by AMF at LHMC on Sept 2nd, 2017.

Workshop Faculty for workshop on “Front of neck access” at National airway Conference 2017 organised by AIDAA at AIIMS, New Delhi, Sept. 2017.

Instructor Faculty at AHA certified BLS & ACLS Course

Coordination Faculty for poster competition at AIRWAY 2018 at Hotel Holiday inn, Aerocity Feb.10th-11th, 2018

Workshop faculty for “Airway Management for Thoracic anaesthesia “ ; workstation Paediatric Lung isolation ; demonstrated Arndt extraluminal; fogarty extra and intraluminal at AIRWAY 2018 at Hotel Holiday inn, Aerocity Feb.10th-11th, 2018

Instructor for the MAMC Surgical skills and life support courses(SSLSC) held in Aug- Sept. 2017

Instructor in the MAMC Post graduate advanced life support courses(PGACLS)- 2017 program, Sept-Nov. 2017.

Speaker faculty at Indian college of Anaesthesiologist Post Graduate Assembly 2018 organised jointly by GIPMER & Maulana Azad Medical college at GIPMER and gave talk on “Anaesthesia for benign hypertrophy of prostate” on Feb. 23rd, 2018

Workshop faculty for 2nd Annual Neurocritical Care Update 2018 held at Le Meridien, Gurugram 22-24 March 2018 : workshop on Advanced Airway Management; workstation on supraglottic devices and videolaryngoscope , March 24th, 2018).

Dr. Amit Kohli

27th National Conference of Research Society of Anaesthesiology Clinical Pharmacology(RSACPCON)at Kanpur had a guest lecture on anaesthesia for trauma patients, from 14-17th september 2017. Print media interview in national dailies: Hindustan Times and Amar Ujala.

Dr Lalit Gupta

Our experience with Percutaneous Dilatational Tracheostomy: a Retrospective Analysis”. December 2017, Conference: ISACON Haryana.

Lecture on Airway Anatomy, Seed workshop AMF, Sept 2017 ,

Faculty for workshop on Airway Anatomy, Airway 2017, Feb. 2018

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital & MAMC, New Delhi; took Lecture on “Anaesthesia for Renal disease”.

Dr Rahil Singh,

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital & MAMC, New Delhi; took Lecture on “Tracheostomy”.

Dr Sukhyanti Kerai

Participated in a panel discussion on “Management of critically ill patients in the hospital” at Medicine Midterm CME, organised by Department of Medicine, Maulana Azad Medical College, New Delhi , Oct. 29th, 2017.

Participated as Faculty in workshop of Percutaneous Dilatational Tracheostomy in Airway Conference 2018.

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital& MAMC, New Delhi; took Lecture on “ Anaesthesia Breathing Circuits”.

Faculty strength: 17

Other significant contribution

Dr Sukhyanti Kerai , Dr Kirti N Saxena , Dr Bharti Wadhwa: Received Y.G. Bhoj Raj award for best review article for 2017, Indian Journal of Anesthesia

Dr Neelam Prasad : Selected for best thesis paper at ISA Delhi in April 2017. Represented Delhi for TN JHA award at ISA National conference held in Kolkata in Nov -2017.

Dr Kapil Chaudhary and Dr Lalit Gupta received Certificate of excellence Award for Reviewing for Indian Journal of Clinical Anesthesia for year 2017.

Dr Lalit Gupta : Best Reviewer Award for Indian Journal of Clinical Anesthesia, 2018

Indian College of Anesthesiologist Annual Conference Varanasi October 2017, Second prize in poster presentation: An innovative technique for mask ventilation in edentulous patients’. Dr.Kirti N Saxena, Dr Bharti Wadhwa, DrVineet Manchanda.

Association of Obstetric Anesthetists September 2017: 2nd prize in best paper category: Kumar D,

Wadhawan S, Bhadoria P Kohli A., Panwar V. To compare the efficacy of transversus abdominis plane block with wound site infiltration using 0.25% bupivacaine for postoperative analgesia after caesarean section under spinal anaesthesia.

Indian Society Anesthesiology Conference, Dehradun,Uttarakhand (ISACON-UK 2017) October 2017.

First prize: Kumar A, Narayanan S, Kachru N, Kohli A, Wadhawan S, Bhadoria P. Posterior tracheal wall injury while performing percutaneous dilatational tracheostomy in intensive care unit on a patient with difficult airway.

Second prize: Choudhary N, Patel A, Kohli A, Wadhawan S, Bhadoria P. comparison between lateral interscalene and parascalene approach to continuous brachial plexus block for shoulder surgery 27th National Conference of Research Society of Anaesthesiology Clinical Pharmacology (27th RSACPCON), Kanpur, September 2017.

1st prize in Padmakant Award for best paper in paediatric anaesthesia: Choudhary N, Gutpa R, Bhadoria P, Wadhawan S, KohliA. Evaluation of pediatric I-gel as a conduit for fiberoptic aided intubation.

First prize in Dr. G.K.Sinha young researcher award: Choudhary N, Kohli A, Wadhawan S, Bhadoria P. I-gel as an intubation conduit: comparison of three different types of endotracheal tubes.

Dr. Rakesh kumar

Training center coordinator, mamc international training centre

President, airway management foundation

Dr Munisha Agarwal

Member:

Icmr, delhi, project review committee

Reviewer for anesthesia & analgesia journal

Dr Bharti Wadhwa

Joint organizing secretary for post graduate assembly held by Maulana Azad Medical Collge & G B Pant Hospital under ISA Delhi

Faculty advisor dramatics society of mamc

Dr Kapil Chaudhary:

Reviewer of journal of anaesthesia, Indian Journal of Clinical Anaesthesia, Journal of Investigative Surgery

BIOCHEMISTRY (LHMC)

Major Activities and Achievements

The department runs routine and 24x7x365 days emergency clinical laboratory services with state of the art fully automated analyzers as well as hormone lab and Molecular biology lab at SSK Hospital .The KSCH clinical biochemistry laboratory is also being managed by Biochemistry department. Total number of tests conducted in the clinical biochemistry lab was more than 10 lacs this year. There are two funded projects running in the department this year with Principal Investigator Dr Ritu Singh

Publications

Ahirwar, A. K., Singh, A., Jain, A., Patra, S.K., Goswami, B., Bhatnagar, M. K., & Bhattacharjee, J. (2017). Raised TSH is associated with endothelial dysfunction in Metabolic Syndrome: A case control study. *Romanian Journal of Internal Medicine*, 55(4), 212-221.

Ahirwar, A. K., Singh, A., Jain, A., Patra, S.K., Goswami, B., Bhatnagar, M. K., & Bhattacharjee, J. (2017). Role of Sub Clinical Hypothyroidism in Association with Adiponectin Levels Causing Insulin Resistance in Metabolic Syndrome: A Case Control Study. *The Tokai journal of experimental and clinical medicine*, (42)2, 96-103.

Devi, A., Singh, R., & Tyagi, S. (2017) Serum uric acid and albumin as risk predictors of angiographically proven atherosclerosis. *International journal of recent scientific research*, 1(7), 51-53.

Devi, A., Singh, R., Dawar, R., & Tyagi, S. (2017). Association of Cholesteryl Ester Transfer Protein (CETP) Gene -629C/A Polymorphism with Angiographically Proven Atherosclerosis. *Indian Journal of Clinical Biochemistry*, 32(2), 238-38

Devi, A., Singh, R., & Tyagi, S. (2017). Lecithin Cholesterol Acyltransferase (LCAT) As Biomarkers of Angiographically Proven Atherosclerosis. *International journal of recent scientific research*, 7(6), 12177-79.

Goswami, B., Jain, A., & Koner, B.C. (2017). Evaluation of brainstorming session as a teaching- learning tool among postgraduate medical biochemistry students. *International Journal of Applied and Basic Medical Research*, 7(Suppl 1), S15-S18. [https://doi: 10.4103/ijabmr](https://doi.org/10.4103/ijabmr)

Gogoi, P., Debnath, E., Singh, R., & Jain, A. (2017). Comparative study of conventional teaching methods and case discussions among the First Year MBBS Students. *Astrocyte*, 3, 209-12

Kumar, M., Vajala, R., Sharma, K., Singh, S., Singh, R., Gupta, U., & Bhattacharjee, J. (2017). First-trimester reference centiles of fetal biometry in Indian population. *The Journal of Maternal-Fetal & Neonatal Medicine*, 30 (23), 2804-2811.

Kumar, M., Sharma, K., Singh, S., Singh, R., Singh, A., & Bhattacharjee, J. (2017). Use of first trimester placenta growth factor concentration to predict hypertensive disorders of pregnancy in a low risk Asian population. *International Journal of Gynecology & Obstetrics*, 139 (3), 301-306.

Lal, S., Tripathi, S., Bhattacharjee, J., & Bhatnagar, M.K. (2017) Insulin resistance and markers of Endothelial dysfunction in metabolic syndrome, Delhi, a case control study. *Indian J Basic& Applied Medical Research*, 6, 281-290.

Sahu, B., Abbey, P., Anand, R., Kumar, A., Tomer, S., & Malik, E. (2017). Severity assessment of acute pancreatitis using CT severity index and modified CT severity index: Correlation with clinical outcomes and severity grading as per the Revised Atlanta Classification. *Indian J Radiol Imaging*, 27, 152-60.

Sharma, K., Singh, R., Kumar, M., Gupta, U., Rohil, V., & Bhattacharjee, J. (2018). First-Trimester Inflammatory Markers for Risk Evaluation of Pregnancy Hypertension. *J Obstet Gynaecol India*, 68(1), 27-32.

Tripathi, S., Arora, M., Saini, V., & Jain A. (2017). Vitamin D deficiency in infertility cases, a pilot study in Delhi. *IJBAMR*, 6, 30-135.

Rajdan, V., Singh, R. & Tyagi, S. (2017). Poorly controlled diabetes mellitus type 2 is associated with increased mmp-9 levels and occurrence of myocardial infarction-a pilot study. *Indian Journal of current Medical Research*, 6 (5), 3584-3588

Research Projects

Dr. Ritu Singh

Department of Health Research , Ministry of Health and family welfare, Genomic and Proteomic markers of Myocardial Infarction, 29 lacks , DBT, Study of genetic polymorphisms and gene expressions of Interleukin 6 , Interleukin 10 and Tumor necrosis factor alpha in Type 2 Diabetes mellitus, One lac plus Research associate salary

Dr. Pikee Saxena ,

Deptt of Obstetrics & Gynecology

ICMR funded project (ongoing since 2016), A randomized control trial to compare the efficacy of N Acetyl Cysteine, metformin or placebo therapy on clinical, hormonal, and oxidative stress profile of infertile women with Polycystic Ovary Syndrome along with clomiphene citrate, Approx- 34 lac

Seminars Organised

Dr. Ritu Singh

CME/Symposia on “Preventing Atherosclerosis Nutrition and Lifestyle” at G.B.Pant Hospital , 6th August 2017

Dr Ritu Singh, Dr Preeti Chauhan, Dr Parijat Gogoi

Stress Management Workshop, Student Leadership Mission (Medical education Unit) , Swarn Jayanti Auditorium LHMC , September 2017

Dr Smita Tripathi, Dr Parijat Gogoi, Dr Rajeev Goel

Training of Interns on Sample collection and Pre-Analytical errors , Jan 2018

Seminar / Conference Presentation

Dr. Anju Jain, Presenter, ISSRF, International conference at AIIMS , Feb. from 18-20th , 2017

Chairperson, AMBIAMBICON 2017 at Mysore. Nov. 16-19th, 2017.

Jayashree Bhattacharjee, Talk: Tumour Necrosis Factor (TNF- α) promoter region polymorphism (308/A) in metabolic syndrome , ISARCON (Indian Society for Atherosclerosis Research), 30th Annual Conference of Indian Society for Atherosclerosis Research and International Symposium on Prevention & control of Atherosclerosis: Multidisciplinary Approach at AIMMS Patna .Nov. 2017

Dr Ritu Singh, Talk- Genomic and proteomic markers of CAD, 30th Annual Conference of Indian Society for Atherosclerosis Research and International Symposium on Prevention & control of Atherosclerosis: Multidisciplinary Approach at AIMMS Patna, Nov. 2017

Dr. Preeti Chauhan took a session on e-hospital module in CNE on Oct. 11th, 2017

Dr. Parijat Gogoi .Poster presentation , ACBI (Dec'2017) Research ethics and good clinical procedures ,(March '2018), BLS Training (24th Feb'2018)

Other Inter-Institutional Collaboration

Dr Ritu Singh : DHR-MoHFW funded project on “Genomic and Proteomic markers of Myocardial Infarction” in collaboration with G.B.Pant Hospital with International Advisor Dr Parthasarathy , University of Central Florida , USA.

M.Phil/Ph. D Degrees Awarded

Supervisor Dr Ritu Singh ; student Dr Karuna Sharma , PhD thesis on “ Evaluation of genetic polymorphism of MMP-9 and first trimester maternal serum levels of biomarker(PAPP-A, HCG,) nitric oxide, endothelin and pro-inflammatory cytokine (TNF- α , INF- γ) for the prediction of preeclampsia.” PhD thesis submitted

Faculty Strength: 9

BIOCHEMISTRY (MAMC)

Honors/Distinctions

Received the prestigious FLEMMING trophy 2016 for best research work from Dean, MAMC in the college Annual Day February 2017.

Research Projects

UGC Research Project (UGC – Maulana Azad National Fellowship for minorities), entitled “A genetic study to evaluate clinical implication of thrombomodulin and associated proteins in CAD”. Dr. A Saxena

SERB, Department of Science and Technology, Govt of India funded project, entitled “Effect of pesticides on Insulin signalling in L6 myotubes. Dr. BC Koner

Multicentric screening of Breast cancer patients to determine efficiency and to assess sensitivity and accuracy of Pandora CDx mammoalert in screening of breast cancer. Co- Investigator Dr. B. Goswami.

Short Term Projects

GNCT of Delhi funded project, 2016 -17, entitled “ A study of genetic alterations in breast cancer patients”, Dr. A Saxena

ICMR Research Project (ICMR-SRF), entitled “Molecular mechanism of blast transformation (role of PDGFR) in imatinib treated CML patients”. Dr. A Saxena

ICMR Research Project (ICMR-SRF), entitled “Genetic alterations to understand the biology of epilepsy syndromes.” Dr. A Saxena

Details of thesis completed during current year:

Evaluation of circulating soluble low density lipoprotein receptor related protein 1 (sLRP-1) as marker of coronary artery disease risk. Dr. P. Lali. Co-investigator- Dr. Lal Chandra

Role of endoplasmic reticulum stress in pathogenesis of ovarian cancer. Dr. S. Kaushik. Co- investigator- Dr. Lal Chandra.

Evaluation of subchronic oral and inhalational exposure of transfluthrin on immune response and risk factors associated with coronary artery disease in albino rats. Dr. B.C. Koner. Co- investigator- Dr. A. Saxena.

Evaluation of serum HE-4 and OVX-1 proteins in epithelial ovarian cancer patients. Dr. T. K. Mishra .Co-investigator-Dr. A. Saxena.

Clinico-biochemical study of atopic dermatitis in children. Co- Investigator- Dr. S. Kaushik. Diagnostic utility of neutrophil CD64 and monocyte HLA-DR in neonatal sepsis. Co- Investigator- Dr. S. Kaushik.

Study of bone health in patients of primary ovarian insufficiency. Co- Investigator- Dr. S. Kaushik.

Publications

Bansal, A., Dahiya, K., Dabla, S., Ghalaut, V. S., Dubey, A., Goel, R., & Singla, N. K. (2017). The effect of phenytoin monotherapy on serum 25-hydroxyvitamin D and bone health markers. A prospective study. *SJAMS*, 5 (8F), 3416-3422.

Bhat, M.A., Guru, S.A., Mir, R., Waza, A.H., Zuberi, M., Sumi, M.P... Saxena, A. (2018). Role of SCN1A and SCN2A Gene Polymorphisms in Epilepsy Syndromes-A Study from India. *J Neurol Neurosci*, 9(1), <https://doi.org/10.21767/2171-6625.1000238>.

Chinya, A., Ratan, S.K., Aggarwal, S.K., Garg, A., & Mishra, T.K. (2017). Association of Levels of Serum Inhibin B and Follicle-stimulating Hormone with Testicular Vascularity, Volume, and Echotexture in Children with Undescended Testes. *J Indian Assoc Pediatr Surg*, 22(1), 3-8.

Gopal, N., Koner, B.C., Bhattacharjee, A., Bhat, V., Murugaiyan, S.B., & Muddegowda, P.H. (2017). Assay of urinary protein carbonyl content can predict the steroid dependence and resistance in children with idiopathic nephrotic syndrome. *Saudi J Kidney Dis Transpl*, 28(2), 268-272.

Goswami, B., Jain, A., & Koner, B.C. (2017). Evaluation of brain storming sessions as teaching learning tool among Post Graduate Biochemistry students. *Int. J. Appl Basic Med Res*, 7 (Suppl 1), S15–S18.

Guru, S.A, Mir, R, Bhat, M, Najar, I, Zuberi, M., Sumi, M., Masroor, M., Gupta, N., & Saxena A. (2017). PDGFR α promoter polymorphisms and expression patterns influence risk of development of imatinib-

induced thrombocytopenia in chronic myeloid leukemia: A study from India. *Tumour Biol*, 39(10), 1177/1010428317713857. [https://doi: 10.1177/1010428317713857](https://doi.org/10.1177/1010428317713857)

Musadiq, A.B., Sameer, A. G., Rashid, M., Ajaz, A.W., Mariyam, Z., Mamta, P.S.... Alpana, S. (2018). Association of GABAA receptor in epilepsy syndromes. *J. Mol. Neurosci*, [https://DOI:10.1007/s12031-018-1081-7](https://doi.org/10.1007/s12031-018-1081-7)

Prasad, J., Goswami, B., Gowda, S.H., Kumar, S., Agarwal, K., Mehra, P.,... Chauhan, A. (2017). Effect of areca nut consumption on Hypoxia inducible factor 1 alpha expression in patients with oral squamous cell carcinoma. *Indian J. Med. Biochem*, 21(2), 81-85.

Prasad, J., Goswami, B., Gowda, S.H., Kumar, S., Agarwal, K., Mehra, P., ... Chauhan, A. (2017). Correlation of Hypoxia inducible factor 1 alpha levels with disease status in oral squamous cell carcinoma. *Int. J. Sci. Res.*, 6(3)52-4.

Verma, M., Dahiya, K., Soni, A., Dhankar, R., Ghalaut, V.S., Bansal, A., & Kaushal, V. (2017). Levels of neutrophil gelatinase-associated lipocalin in patients with head and neck squamous cell carcinoma in Indian population from Haryana state. *World J. of Clinical Oncology*, 8(3), 261

Books written/edited/chapters contributed

Biochemistry for MBBS has been written by Dr S. K. Gupta.

Essentials of Immunology has been written by Dr S. K. Gupta.

Chapter contributed: - Dr Maheswari K - "Frequency distribution of Phenotypes, Alleleic association, heritability and behaviour, hormones in behaviour" in Encyclopedia of Animal Cognition and Behavior.

Conferences organised: 2

A workshop on "Cell culture techniques" was organised by the department on 19th -20th September 2017.

A symposium cum workshop on "Coagulation Disorders and Metabolic targets of anti- platelet therapy : an update" was organised by the department, Nov. 11th 2017.

Seminar/conference presentation

Dr. Neelam received the IFCC- TYFS (task force young scientist award) for her paper "Promoter hypermethylation and expression of CHD-5 gene in pancreatic adenocarcinoma patients" in ACBICON 2017, Supervisor: Dr. T. K. Mishra.

Dr. Sarita presented a poster on " Association of Fetuin A gene polymorphism in patients with Metabolic syndrome" in AMBICON 2017, Supervisor: Dr. P Lali.

Dr. Neelam presented a poster on " Association of CHD-5 gene polymorphism (470 C>T) in pancreatic adenocarcinoma patients and pancreatic cancer cell line" in AMBICON 2017, Supervisor: Dr. T. K. Mishra.

Dr. Srinivas H presented a poster on " Characterization of FAT1 oncogenic role in Hypoxia" in AMBICON 2017.

Dr. Srinivas H presented a poster on "Interaction of FAT1, HIF1A and p53 in Glioma progression" in the 2nd Indian Cancer congress, November 2017.

Dr. Srinivas H presented invited talk in 3rd hypoxia meet organised by department of biomedical science, Indian Institute of technology, New Delhi on 29 January 2018 in IIT Delhi.

Dr. B Goswami presented a free oral paper and a poster in AMBICON 2017.

Dr. Aastha, Dr. Reena, Dr. Sarita, Dr. Sitaram presented posters on the symposium cum workshop on " Coagulation Disorders and Metabolic targets of anti- platelet therapy : an update" held in MAMC.

Dr. Anupama received best poster for " Alterations in microRNA-486-5P expression levels in chronic myeloid leukemia patients and its significance with disease progression in 86th conference of Society of Biological chemists organised by School of Life Sciences , JNU, New Delhi. Supervisor: Dr. A. Saxena

Dr. Sarita received 3rd prize for poster presentation in PGIMS Rohtak on "Association of serum Fetuin A levels in patients with Metabolic syndrome" Supervisor: Dr. P Lali.

Other significant Information Visitors

Dr. Debabrata Dash , Professor of Biochemistry, of BHU , Varanasi visited the department and delivered a

talk on “Novel approach towards anti platelet and anti thrombotic therapy”, Nov. 11th, 2017.

Dr. Debdutta Basu , Professor of Pathology, of JIPMER, Puducherry delivered a talk on “Laboratory diagnosis of coagulation disorders”, Nov.11th, 2017.

Dr. Deep Dutta , Consultant Endocrinologist, Venkateshwara Hospital Delhi, delivered a talk on “Changes in coagulation pathway in Endocrine disorders” , Nov. 11th, 2017

Dr. T.K. Mishra Chaired a scientific session at 25th Annual national conference of AMBI at Mysuru.

Dr. Lal Chandra was a guest Faculty / Resource person for a workshop on Quality management and Evidence based Laboratory Medicine from 25th July to 1st August in Raipur Medical College.

No.of tests done in Electrochemiluminescence Lab in this period : 73,569 tests

New Facilities added:

A highly specialized molecular diagnostic facility for detection of genetic abnormalities in different hematological malignancies and other solid cancers, viz. BCR-ABL translocation, JAK2 mutation, EGFR mutation etc. has been functional in the department. Tests for serum Lipase, ADA, lactate, AMH, NT pro BNP and Pro Calcitonin have been started.

BIOCHEMISTRY (UCMS)

Major Activities and achievements

The Department has made significant progress in undergraduate and post graduate training as well as research. Five students were awarded Ph.D and currently there are 12 students registered for Ph.D under various faculty members. Many of Faculty members were invited for presenting research papers at reputed national and international conferences. Many of them are also holding eminent positions in various national and international expert/technical/reviewer committees. Currently there are many ongoing research projects in the Department of Biochemistry. The faculty members have published more than fifteen research articles individually as well as in collaboration with other departments, in peer reviewed International/National journals of high impact factor.

Publications

Chandra, N., Mehndiratta, M., Tripathi, A. K., Guleria, K., & Banerjee, B. D. (2017). Paraoxonase 1 Gene Polymorphism (rs662) and Increased Risk of Idiopathic Foetal Growth Restriction. *Journal of Clinical & Diagnostic Research*, 11(11), 16-20

Gupta. R., Sharma, S.B, & Singh, U. R. (2017) Salutary effects of Glycine Max seeds on post prandial hyperglycemia and dyslipidemia- evidence from in vivo and in vitro studies. *Altern. Integr. Med*, <https://doi:10.4172/2327-5162.1000237>

Jafri, A. A., Sharma, S. B., Luthra, K., Mehndiratta, M., Khurana. N., & Singh, U. R. (2017). Regulation of Gene Expression in Downstream Signaling Molecules by Herbal Compound in Insulin Resistant Diabetic Rats. *Altern Integr Med.*, 6, 3.

Jahid, M., Rehan, U. H, Chawla, D., Avasthi, R., & Ahmed, S. J. (2018). Association of polymorphic variants in il1b gene with secretion of il-1beta protein and inflammatory markers in north Indian rheumatoid arthritis patients *Gene*, 30(641), 63-67.

Jahid, M., Rehan, U. H, Jha, P.K., Chawla, D., Avasthi, R., & Ahmed, R.S. (2017). Tumor necrosis factor- α -308 polymorphism in north indian rheumatoid arthritis patients and association with mrna and serum TNF- α *Clinical Rheumatology*, 36(10), 2209-2216.

Jha, P. K, Jahid, M, Avasthi R, Banerjee BD, & Ahmed RS. (2017). Dyslipidemia in patients with early rheumatoid arthritis and risk of atherosclerosis *Atherosclerosis and Metabolic research*, 1 (1), 14-19.

Kar. R., Chawla, D., Gupta, B., Mehndiratta, M., Wadhwa, N., & Agarwal, R. (2017). Establishment of Primary Cell Culture From Ascitic Fluid and Solid Tumor Obtained From Epithelial Ovarian Carcinoma Patients. *International Journal of Gynecological Cancer*, 27(9), 2000-2005.

Khan, M.A., Subramanayan, M., Arora, V.K., & Ahmed, R. S. (2017). Suppression of inflammation and cartilage destruction by steroid-rich methanolic extract of *Aniasomnifera*: A study on collagen induced arthritic rats. *Journal of Experimental and Applied Animal Sciences*, 2(2), 172-189.

Khurana, N., Sharma, S.B., Jafri, A.A., & Sharma, A.M. (2017). Azaphilones: Their Role in Various Biological Activities. *Asian J Biomed Pharmaceut Sci.*, 7(60), 34.

Kumari, A., Archana, S., Suman B.S., Vinod, K.A., & Amitesh A. (2017). Dyslipidemia and oxidative stress in patients of psoriasis: Emerging cardiovascular risk factors, 146(6), 708-713.

Nimesh, A., Agarwal, V., Garg, S., & Mehndiratta, M. (2017). Ultraviolet absorption spectral scan and fluorescence emission spectral scan analysis: Potential tests with diagnostic utility in porphyria. *Ind J Med Biochem*, 21(2), 1-6

Nimesh, A., Mehndiratta, M., Agarwal, V., Garg, S., & Kar, R. (2017). Serum absorption spectral scan pattern - an individual's blueprint: its use while authenticating laboratory results. *Int. J. Healthc Biomed Res.*, 6(1), 36-42

Nimesh, A., Mehndiratta, M., Agarwal, V., Garg, S., & Puri, D. (2017). Pre-analytical variables in clinical chemistry: training medical undergraduates through case based discussion. *Int. J. Clin. Biomed Res*, 3(4), 33-8

Nimesh, A., Mehndiratta, M., Garg, S., Kar, R., & Puri, D. (2018). Improving Academic performance of Medical undergraduates: Impediments and solutions. *RUHS journal of Health Sciences*, 3 (1), 11-16

Nimesh, A., Mehndiratta, M., Kar, R., Garg, S., & Puri, D. (2017). Currently practiced assessment methods for medical undergraduates: a time to ponder. *Eur J Pharm Med Res*, 4(9), 657-61

Sharma, D., Garg, S., Mehndiratta, M., Madhu, S.V., & Puri, D. (2017). Relationship of Serum Apolipoprotein A-V Levels, Oxidative Stress, and Inflammatory Biomarkers with Hypertriglyceridemia in Type 2 Diabetes Mellitus. *Int. J. Endocrinol Metab*, 15(2), e44805. [https:// doi: 10.5812/ijem.44805](https://doi.org/10.5812/ijem.44805).

Journals

Garg Seema: Member, Editorial Board of International Journal of Clinical and Biomedical Research, Editorial Review Board of Indian Journal of Medical Biochemistry

Mehndiratta Mohit: Zonal representative, Editorial Board of Indian Journal of Medical

Seminar/conference presentation

Dr. Dinesh Puri at AMBICON 2017, 25th Annual Conference of Association of Medical Biochemists of India, Mysuru, India held in 17th – 19th November 2017

Dr S B Sharma: Presidential lecture and chairing of session, ISARCON AIIMS, Patna., Nov, 17

Dr S B Sharma Chairing of session and invited speaker (ACBI, Lucknow), Dec 2017

Faculty Strength: 6

Other Significant Information

Dr. Mohit Mehndiratta:

CME on Clinical lab optimum utilization at Indian habitat centre, New Delhi on 7th May,17

DC-ISAR Symposium on Atherosclerosis:Recent advances and update held in at GB Pant Institute of Postgraduate Med Edu and Research, New Delhi.

On 19th Aug, 2017

CME Quality control I Clinical and Molecular Biology held at Pt BD Sharma PGIMS Rohtak. On 5th Oct, 2017

Multi speciality ADCON 2017, Conference organised by IMA, New Delhi on 25th and 26th Nov 2017

4th Annual Conference of Association of Practicing Pathologists (Pathcon and Lab Expo) held in New Delhi. 16-17th Dec, 2017

Workshop on Sample size estimation in medical Research held and organised by Medical Education Unit of UCMS, Delhi. 20th Mar, 2018

25th Annual conference of DDF (DIABCON 2017), “Diabetes-New Horizons, Widening Perspectives”. New Delhi on 22-23rd April 2018.

Dr. Seema Garg: Attended Conferences/seminars/workshops/CMEs

DC-ISAR Symposium on Atherosclerosis:Recent advances and update held in at GB Pant Institute of Postgraduate Med Edu and Research, New Delhi. Aug. 19th, 2017.

CME Quality control I Clinical and Molecular Biology held at Pt BD Sharma PGIMS Rohtak. Oct.5th, 2017.

4th Annual Conference of Association of Practising Pathologists (Pathcon and Lab Expo) held in New Delhi. Dec. 16-17th, 2017.

Workshop on Sample size estimation in medical Research held and organised by Medical Education Unit of UCMS, Delhi. March 20th, 2018.

Dr. Rajarshi Kar: Attended Conferences/seminars/workshops/CMEs

Q:LEAPP program of two weeks culminating with onsite workshop, UCMS, Delhi, Aug. 4th, 2017

ISARCON-DC at GB Pant, Aug. 19th, 2017

Workshop on Statistics "Sample Size Estimation", UCMS, Delhi March 20th, 2018

BIOCHEMISTRY (VPCI)

Honors/Distinctions

Prof. S.K. Bansal

Nominee of Vice Chancellor, University of Delhi, to represent the University under Statute 30(1)(C) (i) of Statutes of the University on the Advisory Committee of College of Nursing, Army Hospital (R&R) for a period of one year w.e.f. 18.10.2017.

Nominee of Vice Chancellor, University of Delhi, to represent the University under Statute 30(1)(C) (i) of Statutes of the University on the Advisory Committee of Raj Kumari Amrit Kaur College of Nursing for a period of one year w.e.f. 15.11.2017.

Nominee of Vice-Chancellor, University of Delhi, to represent the University under Statute 30(1) (C) (i) of Statutes of the University on the Governing Body of School of Rehabilitation Sciences for a period of one year w.e.f. 23.01.2018.

Elected Secretary General, Biotechnology Society of India, 2017

Vice President - ACBI Delhi Chapter.

Publications

Pandey A, Kulshrestha R, Singh H, Bhardwaj S, Bansal S K. (2017). Role of transforming growth factor and vascular endothelial growth factor and their receptors in the pathogenesis of bleomycin induced lung fibrosis. *JMSCR*, 5: 23684-23691

Journals

Prof. S.K. Bansal, Member, Editorial Board, Open Journal of Respiratory Diseases

Research Projects

Dr S.K. Bansal

DBT-SRF, 18.04.2011 (for five years), Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial Asthma, 17.26 lakh

UGC-SRF, 02.07.2012 (for five years), Role of innate immune response mechanisms in development of bleomycin induced lung fibrosis, 19.00 Lakhs

ICMR-JRF, 28.01.2014 (for five years), A study on CRHR1 and GR gene polymorphism and their correlation with the expression of various inflammatory cytokines in asthma in North Indian, Rs. 21.00 Lakhs

Seminar/Conference Presentations

Prof. S.K. Bansal

Expert/Resource Person, Brainstorming Workshop on Formulating the R&D Strategy on Respiratory Disorders, Central Ayurveda Research Institute for Respiratory Disorders (CARIRD), Patiala, Punjab, 01.04.2017

Chaired students' award presentation, DCISAR, GIPMER, 19.08.2017

Chaired Scientific session with Vice Chancellor of DPSRU Prof. R.K. Goyal, Recent Advances in Nitric Oxide (NO) Research and its Impact on Therapy, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, University of Delhi, Delhi, 06.09.2017

Faculty Strength- One

BIOCHEMISTRY (CLINICAL BIOCHEMISTRY UNIT)

Major activities and achievements

Dr. V. Rohil

Providing Diagnostic services for the patient care, actively involved in Research, Teaching, Supervising M.D. Medical Biochemistry students (Submitted: 1), Ph.D. Medical Biochemistry students (Submitted: 1; Pursuing: 1) and imparted training to students (8) of other prestigious institutes. Diagnostic Services are provided to indoor & outdoor patients, samples analyzed by AU 480 AutoAnalyzer, BECKMAN COULTER and Dirui CS-T240 Biochemistry Analyzer. The total no. of tests from 01.04.17 to 31.03.18 = 43,170. Currently, three projects are on-going, one MRU, ICMR Project, Dr. V. Rohil being the P.I of the Project and 2 at AIIMS, Dr. V. Rohil being the Co-Investigator of both the projects. In MRU (ICMR) Project titled as in 5 (i), the sample preparation for MicroArray Analysis is under process which will be outsourced to a contract research organization.

Honors/Distinctions

Dr. V. Rohil

Received "Best Teacher Award" by the Grace India Educational Charitable Trust in appreciation and recognition of outstanding contribution and continued dedication to the academic community on 7th Oct. 2017.

Publications

Aggarwal, T., Wadhwa, R., Rohil, V., & Maurya, P. K. (2018). Biomarkers of oxidative stress and protein-protein interaction in chronic obstructive pulmonary disease. *Arch. Physiol Biochem*, 124(3), 226-231.

Sharma, K., Singh, R., Rohil, V., Kumar, M., Gupta, U., Rahman, M.U., & Bhattacharjee, J. (2017). Role of Metalloproteinases (PAPP-A and MMP-9) in first trimester prediction of pregnancy hypertension. *International Journal of Biomedical and Advance Research*, 8(05), 212-216.

Rohil, V., Vijayan, V.K., Kumar, R., Joshi, R., Pavani, P., Paul, S., Sharma, A., & Rahman, M.U. (2017). Research paper entitled "A study on the correlation of Matrix Metalloproteinase MMP1 in COPD and Smoking in the North Indian Population". *Asian Journal of Medical Sciences (AJMS)*, 8 (1), 5-14.

Rohil, V., Purkayastha, P.K., Sharma, V., & Bhattacharjee, J. (2017). Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation. *Journal of Cancer Science & Therapy*, 9(10). [Suppl.]

Sharma, K., Rohil, V., Singh, R., Kumar, M., Gupta, U., & Bhattacharjee, J. (2017), Research paper entitled, Association of MMP-9 1562 C/T genetic polymorphism and first-trimester MMP-9 serum levels with Pregnancy hypertension. *Biomedicine*, 37(3), 359-364.

Rohil, V., Purkayastha, K., Pavani, P., & Bhattacharjee, J. (2017). The role of Calreticulin Transacetylase Mediated Epigenetic Modulation by Polyphenolic Acetates in Lung Tumor Suppression, *World Cancer Congress-2017* held during 20th to 22nd September, 2017 at Science City Auditorium, Kolkata, West Bengal, India.

Research Projects: Three (3)

Dr. V. Rohil

MRU (ICMR), Commenced in Sept.2016, To elucidate the role of Ellagic acid and its derivative via CRTAase in the gene expression profile of lung carcinogenesis, Rs 21 lacks approx.

DST 2016-2019, regulation of tet2 protein by erythropoietin (epo) during erythrocyte differentiation in human and to investigate its role in acute myeloid leukemia", Rs 50, 44, 032/-

DST, 2017-2020, identification of novel transcripts and non-coding RNA in fuchs' endothelial corneal dystrophy (fecd)". Amount sanctioned:Rs 71, 91, 072/-

Seminar/Conference Presentations

Dr. Vishwajeet Rohil was invited for an "Invited Scientific Talk" on "The Role of Calreticulin Transacetylase Mediated Epigenetic Modulation by Polyphenolic Acetates in Lung Tumor suppression" in the Conference, "World Cancer Congress-2017", Kolkata scheduled from 20th to 22nd September, 2017 at Science City Auditorium, Kolkata, West Bengal, India.

Oral Presenter of the paper entitled, "Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation" at the Conference, "25th World Congress on Cancer & Science and Therapy" scheduled from 18th to 20th October, 2017 at Baltimore, Maryland, USA. The Presentation was awarded as phenomenal and worthy.

Co-chaired the Session, PSI Orations in "FIPSPHYSICON 2017" held at 1130-1315 h, on DAY 2, Monday, Nov 06, 2017, at HALL 2, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, Delhi University, North Campus, Delhi-110007. Organised by Defence Institute of Physiology & Allied Sciences, DRDO, Delhi, India.

Invited Speaker at "FIPSPHYSICON 2017" and delivered his innovative research work on the topic "Novel epigenetic drugs: Polyphenol acetates, putative second-generation drugs for lung cancer " scheduled in the Session XVI: Biochemistry & Molecular Biology at 1130-1315 h, on DAY 3, Tuesday, Nov. 07, 2017, at HALL 3, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, Delhi University, North Campus, Delhi-110007. Organised by Defence Institute of Physiology & Allied Sciences, DRDO, Delhi, India

Other Inter-Institutional Collaboration

Dr. V. Rohil

One (Work Completed on 30.11.2016 and final report after statistical analysis compiled and submitted final report on 3/28/17)

Project Title: "To Investigate The Role of Calreticulin Transacetylase Mediated Histones Hyperacetylation Induced Epigenetic Modulation By Polyphenolic Acetates In Genes Implicated In Lung Tumorigenesis" funded by Department of Biotechnology (DBT), Ministry of Science & Technology.

Institutes: Vallabhbhai Patel Chest Institute, University of Delhi, India

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, India. (Co- Investigator: Prof. Jayashree Bhattacharjee, Director Professor and Principal, VardhmanMahavir Medical College and Safdarjung Hospital, New Delhi.)

Number of M.Phil /Ph.D. Degrees Awarded

One Ph.D. student has submitted her Thesis (Ms. Karuna Sharma), One M.D. student has submitted his Thesis

Faculty Strength: One

Other Significant Information

Dr. V. Rohil

Dr. Vishwajeet Rohil has participated and successfully completed the Workshop on "Clinical and Laboratory Medicine Research" held by Moving Academy of Medicine and Biomedicine, Pune in collaboration with ICMR-National AIDS Research Institute, Pune sponsored by DHR, MoHFW, GOI at ICMR-NARI/MAMB, Pune during 28th Aug. to 2nd Sept. 2017.

CARDIOLOGY

(G. B. PANT INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION & RESEARCH)

Major Activities and Achievements

Department of Cardiology aims to bring heart care of best standards within reach of every individual. The year 2017-2018 has been an important milestone. Basic research in genetics of hypertension, rheumatic heart disease and ischemic heart disease were published in major peer reviewed International journals. Members from our Department participated in major International and National cardiology conferences as Faculty. We conducted Live cases and Workshop for teaching purposes which were transmitted internationally. New genetic lab was established in 2017 Lab in Department of Cardiology. Research projects on various genetic polymorphisms in Pulmonary Hypertension in Rheumatic Heart disease are being done.

Publications

Devi, A., Singh, R., Dawar, R., & Tyagi, S. (2017). Association of Cholesteryl Ester Transfer Protein (CETP) Gene -629C/A Polymorphism with angiographically proven atherosclerosis. *Indian J Clin Biochem*, 32(2), 235-238.

Singh, K., Singh, R., Chandra, S., & Tyagi, S. (2018). Paraoxonase-1 is a better indicator than HDL of Atherosclerosis—A pilot study in North Indian population. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 12(3), 275-278.

Seth, A., Onuma, Y., Costa, R., Chandra, P., Bahl, V. K., Manjunath, C. N., & Kalarickal, M. S. (2017). First-in-human evaluation of a novel poly-L-lactide based sirolimus-eluting bioresorbable vascular scaffold for the treatment of de novo native coronary artery lesions: MeRes-1 trial. *EuroIntervention: journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, 13(4), 415-423.

Guha, S., Sethi, R., Ray, S., Bahl, V. K., Shanmugasundaram, S., Kerkar, P., & Mahajan, A. (2017). Cardiological Society of India: Position statement for the management of ST elevation myocardial infarction in India. *Indian heart journal*, 69, S63-S97.

Yusuf, J., Jothinath, P., Mukhopadhyay, S., Vignesh, V., & Tyagi, S. (2018). Evaluation of serum 25-hydroxyvitamin D levels in calcific rheumatic mitral stenosis—A cross sectional study. *Indian heart journal*, 70(2), 206-213.

Mukhopadhyay, S., Kumar, M., Yusuf, J., Mehta, V., Trehan, V., & Tyagi, S. (2015). Clinical risk factors and angiographic profile of coronary slow flow in North Indian population. *Indian Heart Journal*, 67, S127.

Mehra, P., Mehta, V., Sukhija, R., Sinha, A. K., Gupta, M., Girish, M. P., & Aronow, W. S. (2017). Pulmonary hypertension in left heart disease. *Archives of Medical Science*, 13(1).

Sarkar, P. G., Gupta, M. D., & Girish, M. P. (2017). Amyloidotic pseudo-spectacles. *Postgraduate medical journal*, postgradmedj-2016.

Garg, N., Muduli, S. K., Kapoor, A., Tewari, S., Kumar, S., Khanna, R., & Goel, P. K. (2017). Comparison of different cardiovascular risk score calculators for cardiovascular risk prediction and guideline recommended statin uses. *Indian Heart Journal*, 69(4), 458-463.

Books/ Chapters /Contributed

Tyagi, S., & Mittal, A. (2017). Diseases of Pericardium'. API textbook of Medicine 10th edition, edited by Dr. Y. P. Munjal. Delhi: Jaypee Brothers Medical.

Tyagi, S., & Bansal, A., Tyagi, D. (2017). Renal artery stenosis: To fix or not to fix in Cardiological Society of India Ed. Hiremath MS

Tyagi, S., & Subhendu, M.S.K. (2017). STEMI management with Aortic Stenosis in book on Acute Myocardial Infarction, Chopra HK, Ed., Mehta S. (pp. 814-817) . Delhi: Jaypee Brothers Medical.

Tyagi, S., & Safal. (2018) Renovascular Hypertension in India in CSI Textbook of Cardiology: The Indian Perspective, Pradip K. Deb. (Ed.), (pp. 665-675). Delhi: Jaypee Brothers Medical.

Bansal, A., & Chaturvedi, V. (2018). Cardio Diabetes and Autonomic Insufficiency. In *State of Art Cardio Diabetes Update: A Textbook of Cardiology*, H. K. Chopra Ed., (pp. 119-125). Delhi: Jaypee Brothers Medical.

Journals

Dr. Vimal Mehta and Dr. Mohit Gupta were selected as Executive Editors of Indian Heart Journal-Clinical Dialogues and – Interventions respectively.

Research Projects

Assessment of aortic stiffness in rheumatic mitral stenosis.

To study predictors and outcomes of No-Reflow/ Slow Flow in patients undergoing primary percutaneous coronary intervention.

Safety and efficacy of very long length Drug Eluting Stent System in patients with coronary artery disease.

Evaluation of ventricular dysfunction in unoperated cases of Tetralogy of Fallot.

Assessment of M30 apoptotic biomarker in patients undergoing primary percutaneous coronary intervention with or without multivessel disease.

Comparison of Doppler echocardiography derived pulmonary artery pressures with invasive pulmonary artery pressures in patients with severe mitral stenosis with pulmonary artery hypertension undergoing percutaneous balloon mitral valvuloplasty.

To study the factors affecting restenosis after angioplasty of arch vessels in patients of Non Specific Aortoarteritis on short term follow up.

Demographic, clinical, angiographic profile and Telomere length in young Indian patients of myocardial infarction among non smokers and non diabetics.

Association of pro-inflammatory cytokines (IL-6, IL-10, IL-18, TNF-alpha) with severe mitral stenosis.

Spectrum of cardiac defects associated with Tetralogy of Fallot and comparison of 2D Echo with cardiac catheterization for diagnosis of these defects.

Correlation of QRS duration with myocardial blush grade as a marker of myocardial reperfusion in patients undergoing primary percutaneous coronary intervention.

Evaluation of cytokines of Th-17 axis vs Th-1 axis in Rheumatic Heart Disease: an observational study.

Correlation of pulmonary venous flow Doppler with pulmonary vascular resistance index in children of ventricular septal defects with pulmonary hypertension undergoing cardiac catheterization.

Seminars Organised

Amerena J, Deakin University, Victoria, Australia delivered a lecture on “Newer anticoagulants in Atrial Fibrillation: Translating trial data into clinical practice”, Feb. 07, 2017.

Kawajiri K, Tottori University School of Medicine, Japan delivered a lecture on “Retrograde approach in CTO”, March 21, 2017.

Conferences/ Workshop Organised

Workshop on “Chronic total Occlusion: Workshop on Retrograde approach in complex chronic total occlusions was conducted along with Dr. Kenji Kawajiri from Tottori University School of Medicine, Japan, March 21-22, 2017.

First Delhi Intervention Council Meet under the auspices of Cardiology Society of India, Delhi Branch, was organised by Dept. of Cardiology, Nov 17, 2017. (Dr. Girish MP- Organizing Secretary and Dr. Mohit Gupta- Scientific Convener)

Six live Cases in India Live-2017 an International Cardiology Conference by National and International experts.

Seminars/ Conferences Presentations

69th Annual Conference of CSI – 2017, Kolkata

Tyagi S, Chaired sessions on Peripheral and structural interventions, Peripheral vascular disease/ Takayasu syndrome, Heart in collateral damage

Tyagi S., Presentation on i) PCSK9 inhibitors as alternative to statins: Are they good enough? ii) Cutting balloon Angioplasty for in-Stent restenosis In Takayasu arteritis, iii) Retrieval of embolized devices, iv) Case presentation on “Plaque modification”.

Mukhopadhyay S., Moderated a E Poster on Circulating Level and Tissue Distribution of Sclerostin in Calcified Mitral Valves of Rheumatic Heart Disease.

Mukhopadhyay S., Moderated a E Poster on Evaluation of Cytokines of Th17 Axis In Patients of Chronic Rheumatic Heart Disease: An Observational Study

Prattay., Moderated a E Poster on Tumour necrosis Factor (TNF-) α -308 Gene Polymorphism in Indian patients with Takayasu’s Arteritis

Sameer, Moderated an E Poster on Demographic, clinical and angiographic profile in young Indian patients of Myocardial Infarction among nonsmokers and non diabetics.

National Intervention Council-2018 International Cardiology Conference, Hyderabad

Tyagi S., Chaired the session on –Path Breaking Technologies for Interventional Cardiology – The Future Beckons

Trehan V., Chaired the session on Complications In Cath Lab Practicals - Apocalypse Now

Trehan V., Cathlab Techniques = Conquering Difficult Situations & Anatomies –Complex PCI reviews eg. Tortuous/Calcified / SVG Interventions

Trehan V., Building the CHIP Heart Team: Institutional and Network strategies for a Successful CHIP Program

India Live-2018 an International Cardiology Conference

Trehan V., BMV- crossing difficult valves and Revascularization in STEMI with cardiogenic shock- CULPRIT Shock and beyond

32nd Annual Conference of Cardiological Society of India, Delhi Branch (March 24th-25th, 2018)

Tyagi S., Primary PCI or Phramco-invasive PCI: Which is more relevant for the city of Delhi

Trehan V., Master Talk - CHIP: How to go about it

Mehta V., Can’t judge a book by its cover - Which oil to use for cardiovascular health?

Girih MP., Newer ARBs - Are they any better?

Safal., Salt restriction for Indians: Are you joking?

Bansal A., Rajan Tandon Memorial Quiz

Indian Heart Failure Summit, Delhi (April 21st-22nd, 2018)

Tyagi S., Acute HF - Guidelines in Daily Practice - Tips and Tricks

Trehan V., Acute HF with Shock - How to Manage?

In addition, the faculties of department of cardiology were invited to give guest lectures in various National conferences of repute.

Other Inter-Institutional Collaboration

Department has collaborated with Institute of Genomics and Integrative Biology for advanced genetic analysis.

Faculty Strength: 14

Other Significant Information

First Transcatheter Aortic Valve Implantation in Government Hospital in Delhi: Transcatheter aortic valve implantation is the minimally invasive mode of treatment for aortic valve disease patients who are at high surgical risk. In Government setup, first ever such case was done by our department led by Dr. Vijay Trehan.

Dr. Sanjay Tyagi and Dr. Vijay Trehan were invited to deliver lecture in International Conferences like NIC-2018, India Live-2018, CSICON-2017.

Dr. Vimal Mehta attended the investigators meet of American College of Cardiology held at Washington USA for the International Fourier Study.

Dr. Mohit Gupta got elected as Joint Secretary of Cardiology Society of India- Delhi Branch. Health Services to the community

Department has particular focused on prevention of heart disease. The faculty of the department is undertaking various public awareness programs on heart disease.

Talk on Nurses day "Easy Life for Busy People", Secrets of healthy and Happy Life.

Talk on "Secrets of Stress management, self-transformation, healthy lifestyle and various life style modifications.

Yoga center of the department helps the cardiac patients in prevention and life style management

COMMUNITY MEDICINE (LHMC)

Major activities and Achievements

The Department undertakes undergraduate (200) theory and practical teaching of MBBS students from 1st to 7th Semester. In addition, Post-graduate teaching is imparted for students admitted for MD in Community Medicine (sanctioned strength 8 students per year). The Department also organizes and coordinates Internship of MBBS students with all Departments of LHMC & Associated Hospitals. Orientation training of all PG students is also organised on protocol development and analysis of research projects. The Department has been designated as the Regional Vaccine Store (RVS) for Pulse Polio Abhiyan and participated in all rounds of Pulse Polio Immunization during 2016-17. The department also coordinates surveillance for Vector Borne Diseases and Drinking Water Quality and Rotatory Internship of the institution and associated hospitals. The Department has also carried out assessment of physical and other facilities by MCI in 2017, for the continuation of PG seats and all PG seats are recognized by MCI.

Honours/ Distinctions

One scientific paper was awarded best oral presentation in 62nd Indian Public Health Association Conference in 2017.

Publications

Arora, S., Rasania, S. K., Bachani, D., Gandhi, A., & Chhabra, S. K. (2017). Respiratory symptoms and their determinants among adult women in an urban slum area of Delhi. *Indian Journal of Community Health*, 29(2), 182-186.

Dahiya, N., Bachani, D., Das, R., Rasania, Kumar, G., Prasuna, J. G., & Seth, G. (2017). Assessment of menstrual hygiene among reproductive age women in South-west Delhi. *Journal of Family Medicine and PrimaryCare*, 6(4), 730–734. *Journal of Tuberculosis, Lung Diseases and HIV/AIDS*, 14(1), 22-26.

Kumar, G., Prasuna, J. G., & Seth, G. (2017). Assessment of menstrual hygiene among reproductive age women in South-west Delhi. *Journal of Family Medicine and PrimaryCare*, 6(4), 730–734.

Bhuvaneswari, N., Prasuna, J. G., Goel, M. K., & Rasania, S. K. (2018). An epidemiological study on home injuries among children of 0–14 years in South Delhi. *Indian journal of public health*, 62(1), 4.

Suri, S., Kumar, D., & Das, R. (2017). Dietary deficiency of vitamin A among rural children: A community-based survey using a food-frequency questionnaire. *The National medical journal of India*, 30(2), 61.

Mathur, M., & Das, R. (2017). Common gynecological morbidities among married women in a resettlement colony of East Delhi. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 6(12), 5330-5335.

Acharya, A. S., Kaur, R., & Goel, A. D. (2017). Neglected tropical diseases—Challenges and opportunities in India. *Indian Journal of Medical Specialities*.

Ganesan, S., Acharya, A. S., Chauhan, R., & Acharya, S. (2017). Prevalence and risk factors for low back pain in 1,355 young adults: a cross-sectional study. *Asian spine journal*, 11(4), 610-617.

Acharya, S., Adsul, N., Palukuri, N., Acharya, A. S., Shanmugapriya, S., Bhuvaneswari, K. ... Deori, P. (2017). *Indian Journal of Medical Specialities*, 8(4), 169-174.

Singh, A., Acharya, A. S., & Dhiman, B. (2018). Awareness regarding diabetes and its complications in adults: A cross-sectional study in an urban resettlement colony of east Delhi. *Indian Journal of Medical Specialities*, 9(1), 3-6.

Thakur, A., Ray, T. K., & Goel, M. K. (2017). Expenditure pattern on diabetes care: A Community based longitudinal study in resettlement colony of East Delhi. *Indian Journal of Community Health*, 29(2), 209-212.

Ray, T. K., & Bhatt, A. (2017). Burden of Chronic Suppurative Otitis Media in Children of an Underprivileged Community of Delhi. *The Indian Practitioner*, 70(11), 36-41.

Singh, S., & Ray, T. K. (2017). Maternal Risk Factors of Gestational Diabetes Mellitus a Case Control Study in a Tertiary Care Setting of Delhi. *The Indian Practitioner*, 70(12), 21-26.

Singh, S., Ray, T. K., & Kumar, S. (2017). A study of modifiable risk factors of GDM in Delhi. *The Journal of Community Health Management*, 4(4), 153-155.

Singh, T., Nagesh, S., & Ray, T. K. (2018). Magnitude and Correlates of Anemia in Elderly Women of a Resettlement Colony of Delhi. *Journal of mid-life health*, 9(1), 21.

Research Projects

Health Accounting Scheme: Empowering people for health care through multi-sector coordination- An Operational Evaluation ICMR Approx 30 lakh (under process)

Screening of health care staff of LHMC and associated hospitals for major NCDs

Seminar Organised

Induction workshop for undergraduates' admission year 2017 on 10 August 2017

Orientation training of Sulabh workers for dengue control.

Orientation for Internship Training Program December 2017

World AIDS Day celebration at KHC, Department of Community Medicine on 1st Dec 2017

Hands on Training for "Statistical Analysis" for 2nd year PGs of LHMC & Assoc. Hospitals Workshop on Data Management & Statistical Analysis for PGs/SRs of Community Medicine

Faculty Strength: Eight (8)

COMMUNITY MEDICINE (MAMC)

Major Activities and Achievements

Department has organised 16 training programmes/ workshop during the period in addition to routine MBBS, MD, Ph.D training programmes. Eight MD theses completed, one Ph.D awarded, two ICMR studentship projects completed. Eleven projects funded by ICMR / MAMC/ are currently being carried out in the department. 32 publications and 2 books/chapters were contributed by Faculties in the department. Faculties attended several conferences/workshops/seminars as Chairperson, invited speaker, or presented papers. Department provided OPD services in four health centres, immunized children and provided contraceptives to women and organised several health talks, skits, plays in the community.

Honours/Distinctions

Garg S., Nominated for Dr. K.N. Rao Memorial Oration in 62nd Annual National Conference of IPHA at King's George Medical University (K.G.M.U.), Lucknow, Uttar-Pradesh.

Sharma P., Member of the team in conducting Common Review Mission (CRM) for Delhi in 2015 as under National Health Mission Division, Ministry of Health and Family Welfare. The team was declared to be awarded first prize in 2017 for best performance at the National level. The award ceremony scheduled in Feb 2018.

Garg S., Nominated as Expert for review of WHO Resource Material at WHO Head Quarters Geneva

Garg S., Invited as Expert for Stake Holders Meeting on Prevention and Control of Deafness at WHO Head Quarters Geneva

Garg S., Nominated as National Resource Faculty for Maternal Death Surveillance and Response, an initiative by WHO, UNICEF, NHRSC, & MOHFW GOI

Sharma N., Chairperson of State task force on implementation of Revised National TB program in Medical Colleges of Delhi, received the award for best performing state in ZTF meeting at Shimla in Feb 2017

Publications

Anand, T., Sharma, N., Chandra, S., Ingle, G. K., & Grover, S. (2017). Decadal impact of Directly Observed Treatment Short course program on age and gender among New Infectious Tuberculosis cases in Delhi. *Indian Journal of Tuberculosis*, 64(4), 291-295.

Banerjee, R., & Banerjee, B. (2017). Computer Vision Syndrome among Medical and Engineering Professionals of India: *International Journal of Current Research*, 9(7), 54731-4.

Banerjee, B., & Banerjee, R. (2017). Role of Yoga and Meditation in Prevention of Obesity: *International Journal of Advanced Research*, 5(8), 337-347.

Barzegar, N., Niknami, M., Mirhadian, L., Kazem Nejad Leili, E., Pakseresht, S., M Meghachandra Singh, M. (2017). Lifestyle and Factors Associated with the Elderly People Referred to the Pension Fund. *Journal of Holistic Nursing and Midwifery*, 27(2), 1-8.

Basu, S., & Garg, S. (2017). Methods of estimating medication adherence to anti-retroviral therapy: *Journal of Family Medicine and Primary Care*, 6(1), 171-172.

Basu, S., & Garg, S. (2017). The barriers and challenges toward addressing the social and cultural factors influencing diabetes self-management in Indian populations. *Journal of Social Health and Diabetes*, 5(2), 71.

Basu, S., Khobragade, M., Raut, D. K., & Garg, S. (2017). Knowledge of diabetes among diabetic patients in government hospitals of Delhi. *International Journal of Noncommunicable Diseases*, 2(1), 8.

Garg, S., Basu, S., & Dahiya, N. (2017). A review of current strategy for rabies prevention and control in the developing world. *Indian Journal of Community Health*, 29(1), 10-16.

Garg, K., Tripathi, T., Rai, P., Sharma, N., & Kanase, A. (2017). Prospective Evaluation of Psychosocial Impact after One Year of Orthodontic Treatment Using PIDAQ Adapted for Indian Population. *Journal of clinical and diagnostic research: JCDR*, 11(8), ZC44.

Goel, P., Kumar, R., Meena, G.S., Singh, T., & Garg, S. (2017). A community based cross sectional study on menstrual hygiene among 18-45 years age women in a rural area of Delhi: *International Journal of Biomedical Research*, 8(06), 302-308.

Goel, P., Kumar, R., Meena, G.S., Singh, T., & Garg, S. (2017). Community based cross sectional study on menstrual hygiene among 18-45 years age women in a rural area of Delhi. *International Journal of Biomedical Research*, 8(06), 302-308.

Garg, S., Basu, S., & Dahiya, N. (2017). International Health Regulations: Is India prepared after 10 yrs. Of Implementation: *Indian Journal of Communicable Disease*, 3(1).

Garg, S., & Basu, S. (2017) Prioritizing Pneumococcal Vaccine Introduction in the Developing World: The Indian Experience. *Indian Journal of Communicable Diseases*, 3(2), 81.

Garg, S., Chakravarti, A., Singh, R., Masthi, N. R., Goyal, R. C., Jammy, G. R., ... Moureau, A. (2017). Dengue serotype-specific seroprevalence among 5-to 10-year-old children in India: a community-based cross-sectional study. *International Journal of Infectious Diseases*, 54, 25-30.

Kohli, C., Gupta, K., Banerjee, B., & Ingle, G. K. (2017). Social Security Measures for Elderly Population in Delhi, India: Awareness, Utilization, and Barriers. *Journal of clinical and diagnostic research: JCDR*, 11(5), LC10.

Kumar, A., Banerjee, B., Gupta, P.K., Parashar, S., Singh, D., & Ujjainia, V. (2017). Burden of insomnia and its association with co-morbidities among geriatric patients at a secondary care rural hospital in Delhi: *European Journal of Biomedical and Pharmaceutical Sciences*, 4(12), 608-611.

Meena, J. K., Verma, A., & Kumar, R. (2017). Evaluation of Integrated Childhood Development Services (ICDS) program implementation in an urban slum of Delhi, India. *International Journal of Research in Medical Sciences*, 5(8), 3443-3447.

Pangtey, R., Meena, G.S., Banerjee, B., & Gupta, P. K. (2017). Prevalence of Behavioural Risk Factors of Chronic Non Communicable Diseases in an Urban Area of Delhi: *International Journal of Scientific Research*, 6(7), 37-39.

Rathi, A., Sharma, P., & Garg, S. (2017). Parent's Knowledge and Attitude towards the newly introduced IPV vaccine in capital region of India: *Indian Journal of Applied Research*, 7 (5), 79-96.

Sharma, S., Kohli, C., Sharma, N., & Mehra, D. (2016). Incomplete Immunization Coverage in Delhi: Reasons and Solutions. *Primary Health Care*, 6(240), 2167-1079.

Sharma, N., Dhaked, S., Vankhuma, C., Kohli, C., Anand, T., & Singh, M. M. (2017). Smoke free Delhi: Status of Implementation of anti-smoking legislation and its perception in Educational Institutions: *MAMC J Med Sci*, 3(1), 22-27.

Sharma, N., Anand, T., Grover, S., Kumar, A., Singh, M. M., & Ingle, G. K. (2017). Awareness about anti-smoking related laws and legislation among general population in slums of Delhi, India. *Nicotine and Tobacco Research*, 20(5), 643-648.

Sharma, N., Chandra, S., Dhuria, M., Kohli, C., Chopra, K. K., Aggarwal, N., & Sachdeva, K. (2017). Meso level multi-disciplinary approach for reduction of pre-treatment loss to follow-up in Revised National Tuberculosis Control Program, Delhi, India. *Indian Journal of Tuberculosis*, 64(4), 281-290.

Sharma, D., Kishore, J., Sharma, N., & Duggal, M. (2017). Aggression in schools: cyberbullying and gender issues. *Asian journal of psychiatry*, 29, 142-145.

Sharma, S., Anand, T., & Sharma, N. (2017). Exploring determinants of birth weight of the baby delivered in a tertiary hospital of Delhi. *Indian Journal of Child Health*, 4(3), 394-398.

Sharma, S., Mehra, D., Kohli, C., & Singh, M. M. (2017). Menstrual hygiene practices among adolescent girls in a resettlement colony of Delhi: a cross-sectional study. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 6(5), 1945-1951.

Sharma, N., Dhaked, S., Vankhuma, C., Anand, T., Kohli, C., & Singh, M. M. (2017). Status of Implementation and Opinion of Stakeholders about Antismoking Legislation in Educational Institutions of Delhi. *MAMC Journal of Medical Sciences*, 3(1), 22.

Sharma, M., Banerjee, B., Ingle, G. K., & Garg, S. (2017). Effect of mHealth on modifying behavioural risk-factors of non-communicable diseases in an adult, rural population in Delhi, India. *mHealth*, 3.

Singh, M. M., & Devi, R. (2017). Time to rethink the syndromic approach to sexually transmitted infections. *Bmj*, 358, j3789.

Singh, M. M., & Devi, R. (2017). The limitations of humanising healthcare. *BMJ: British Medical Journal (Online)*, 357.

Tomar, A., Banerjee, B., & Ingle, G.K. (2017). Association of Duration of Digital Device Use with Commonly Reported Physical Health Symptoms among Medical Undergraduates: *International Journal of Public Health and Safety*, 2(1):121.

Tomar, A., Banerjee, B., & Ingle, G. K. (2017). Being "Online": Effects of Self-Reported Duration of Internet Use on Psychosocial Health of the Users: *Global Journal for Research Analysis*, 6(9), 514-516.

Books/ Chapters contributed

Garg, S., Banerjee, B., Meena, G.S., Sharma, N., Singh, M.M., & Archana, R. (Eds). (2017). *Lung Function Status of Adults in Delhi*. Delhi: Century Publications.

Banerjee, B. (2017). *DK Taneja's Health Policies and Programmes in India*, 15thed. Delhi: Jaypee Brothers Medical.

Research Projects

Completed: Ear and Hearing Care Survey Using WHO Protocol in India. (Supported by WHO)

On-going projects

The Knowledge and Practice of oral Health care among Diabetes patients in the out-patient setting of a tertiary care hospital in Delhi. Funding Agency: MAMC

Knowledge and Practices related to risks associated with use of Personal audio devices among medical students in Delhi. Funding Agency: MAMC

A prospective study of magnitude of domestic violence in pregnancy, it's associated factors, related maternal health and birth outcomes in Delhi Funding Agency: ICMR

MDR TB Trends in Case Finding and Treatment Outcomes in Delhi, Funding Agency: RNTCP, Delhi

TB Intervention Targeting Mobile Population" (Truck Drivers and Helpers) Funding Agency: RNTCP, Delhi

Partnership in TB Control Through Involvement of Pharmacists in Delhi Funding Agency: RNTCP, Delhi

Acceptability and Feasibility of Gastrointestinal Drug Delivery Device for Tuberculosis Treatment. Funding Agency: TATA

Study assessing barriers to health care seeking in childhood illnesses in Delhi Funding Agency: ICMR

Prevalence of Vitamin D deficiency and insulin resistance among type II diabetes patients attending a tertiary hospital in Delhi. Funding Agency: MAMC Research Society

Efficiency of Child-To-Child Approach in Preventing Childhood injuries and their Consequence., Funding Agency: ICMR

Seminar / Workshops organised

Garg S., Organised training on Diabetes for Doctors and Medical Officers and Para Medical staff (March 2017).

Garg S., Organised International Ear & hearing Care Day at Ministry of Health & family welfare GOI (March 3, 2017).

Garg S., Organised training on "Support for Monitoring activities from PSM Deptt. Of Medical Colleges in view of Intensified Mission Indradhanush campaign. (Sep. 25' 2017).

Garg S., Organised Workshop on Maternal Death Surveillance Response and Maternal Near Miss Review (MDSR) (Dec. 20-21, 2017).

Sharma N., State Task Force at AIIMS, Delhi on 10th Feb 2017 and State Task Force at MAMC, Delhi , Aug 9, 2017.

Sharma N., CME on "Newer Initiatives in Revised National Tuberculosis Control Program in India" on 23rd March 2017 in MAMC.

Singh MM., Organised three workshops on "Skill Workshop on Breast Awareness" the Department of Community Medicine, MAMC on 7th, 16th and 17th March 2017 for nurses, interns, and doctors.

Banerjee B., Conducted "Training Workshop for Doctors on Preparing Action Plan to Scale up Diabetes Care at Health Centres under the Department of Community Medicine".

Banerjee B., Conducted "Training of Interns on Research Methodology for Public Health".

Sharma P., Training Programme for residents on Cold Chain Management for Residents and paramedical staff in the department.

Sharma P., Training Programme on Implementation of Mission Indradhanush (MIK) in the state of Delhi in coordination with Directorate of Family Welfare (DFW).

Sharma P., Training Programme on Implementation of Maternal Death Surveillance and Response and Near Miss Review (MDSR) in the state of Delhi in coordination with Directorate of Family Welfare (DFW), Dec. 20-21, 2017.

Seminar/Conference presentations

Garg S., Oral presentation at IPHACON—2017, Jodhpur Titled "Magnitude and correlates of gender based violence among attendees of a tertiary care teaching hospital in Delhi".

Garg S., Oral Presentation at IPHACON-2017, Jodhpur Titled "Knowledge related to Gender based violence and attitudes towards gender stereotypes among antenatal clinic of a tertiary care teaching hospital in Delhi".

Garg S., Oral Presentation at International conference on Youth and Adolescent 2017 (ICYAH 2017) An epidemiological study on burden and associated factors of gender based violence among female youth in Delhi.

Garg S., Study on Prevalence and Risk factors of Domestic violence among pregnant in a tertiary care centre in Delhi " Presented in National conference on " Developing Quality Essential Health care Services : Opportunities & Challenges in Achieve SOG's . at Family welfare Training & research Centre Mumbai, May 5-6, 2017.

Invited talks in International conferences

Garg S, Agarwal A, Mangla V. Case Study on Ear and Hearing Care Strategy of India. Presented in ENT Conference, Yangon, Myanmar, Jan 12-13, 2017.

Garg S, Mangla V. Ear and Hearing Care Situational Analysis Tool (EHCSAT). Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Garg S, Mangla V. Otitis Media: Important Cause of Public Health Concern. Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Shrivastav R, Garg S, Mangla V. Need for Ear and Hearing Care Strategy in Nepal. Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Singh MM, Hitakshi, Garg S, Kumar R, Sharma N, Devi R, Ingle GK. Healthcare facility preparedness regarding Gender Based Violence in Delhi. Presented in World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6th November 2017.

Singh MM, Garg S, Kumar R, Devi R, Sharma N, Anand T. Healthcare Facility Preparedness regarding Gender Based Violence in Delhi: Stakeholders' Perspective. Presented in World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6th November 2017.

Singh MM., Chaired two scientific sessions during World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6th November 2017.

Singh MM, Hitakshi, Suneela Garg, Rajesh Kumar, Nandini Sharma, Tanu Anand, G K Ingle. Perceived self efficacy and barriers in the provision of care for gender based violence victims among healthcare providers in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6th May 2017.

Singh MM., Presented a topic "Epidemiology of breast cancer" during three workshops on "Skill Workshop on Breast Awareness" as Resource Person held in the Department of Community Medicine, MAMC on 7th, 16th and 17th March 2017 for nurses, interns, and doctors.

Goel P, Dahiya N, Basu S, Garg S, Singh MM. Predictors of self-breast examination among women residing in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6th May 2017.

Mariam W, Garg S, Singh MM, Sharma N. Study on prevalence and risk factors of domestic violence among pregnant women in a tertiary care center in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6th May 2017.

Basu S, Garg S, Singh MM, Kohli C. Personal audio devices use patterns associated with risks of hearing loss and compromised road safety among medical students in Delhi. Presented in ICBEN 2017 Noise as a public health problem, Zurich, Switzerland, 18-22nd June 2017.

Mangla V, Singh M, Garg S. Presented e-poster titled "Adherence to Treatment in Type 2 Diabetes Mellitus Patients Attending a Tertiary Care Hospital of Delhi" in NZIAPSM held at PGI Chandigarh on 3rd Nov 2017.

Banerjee B., Presented as resource person at a scientific session on "Reproductive Health" at the 43rd Annual National Conference of Indian Public Health Association at Dehradun, UP.

Banerjee B., Co-Author for oral presentation on "Assessment of mental health literacy in school-going adolescents" presented by Dr. Malvika Sharma at 2nd International Conference on Public Health, Colombo, Sri Lanka, 28-29th July 2016.

Students under Exchange Programme: 2

Extension and outreach activities:

Department provides primary health care in four centres: Gokulpuri, Barwala, Delhi Gate and BVK, New Delhi.

Number of M.Phil./Ph.D. Degrees awarded: Ph.D.: 1

Faculty strength: 10

DERMATOLOGY & STD (LHMC)

Honours/ Distinctions

Mendiratta V received, 'Best teacher award' in Dermacon 2017, Kolkata.

Publications

Chander, R., Garg, T., Sanke, S., Agarwal, K., & Chhikara, A. (2017). Multiple asymptomatic hard papules on cheeks in an elderly woman. *Indian journal of dermatology, venereology and leprology*, 83(4).

Garg, T., Sanke, S., Chander, R., Agarwal, M., Agarwal, K., & Kumar, A. (2017). A case of dermatomyositis with underlying unusual malignancy. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(4), 473.

Garg, T., Agarwal, S., Rana, S., & Chander, R. (2017). Patch testing in patients with suspected footwear dermatitis: A retrospective study. *Indian dermatology online journal*, 8(5), 323.

Garg, T., Marak, A., Ahmed, R., Chander, R., & Jain, M. (2017). An unusual presentation of primary cutaneous amyloidosis. *Dermatology online journal*, 23(8).

Garg, T., & Sanke, S. (2017). Inflammatory dermatoses in human immunodeficiency virus. *Indian Journal of Sexually Transmitted Diseases and AIDS*, 38(2), 113.

Kumar, A., Mendiratta, V., Agarwal, S., Chander, R., & Sanke, S. (2018). Childhood lichen planus: A series of 42 patients. *Indian Journal of Paediatric Dermatology*, 19(2), 116.

Mendiratta, V., Sanke, S., & Ramchander, A. N. (2017). Granulocytic spongiotic papulovesiculosis (neutrophilic spongiosis): A rare entity. *Indian journal of dermatology*, 62(1), 88.

Sanke, S., Mendiratta, V., Singh, A., & Chander, R. (2017). Keratosis follicularis spinulosa decalvans with associated mental retardation: response to isotretinoin. *International journal of trichology*, 9(3).

Sanke, S., Yadav, P., Chander, R., & Chandra, J. (2017). Acute methotrexate toxicity presenting with bullous lesions: an unusual presentation. *European journal of clinical pharmacology*, 73(4), 515.

Kumar, A. (2017). Familial clustering of severe atypical variants of erythema nodosum leprosum in immunocompetent siblings. *Lepr Rev*, 88, 568-573.

Rana, S., Mendiratta, V., & Chander, R. (2017). Efficacy of microneedling with 70% glycolic acid peel vs microneedling alone in treatment of atrophic acne scars—A randomized controlled trial. *Journal of cosmetic dermatology*, 16(4), 454-459.

Yadav A, Garg T, Mandal AK, Chander R., & Yadav A. (2017) Pigmented Contact Dermatitis to Nickel: Should we Suspect this Entity. *J Derma Pig Res*, 1(1):103.

Yadav, A., Garg, T., Mandal, A. K., Chander, R., & Yadav, A. (2017). Immunofluorescence and immunohistochemistry in macular amyloidosis: An observational study. *Indian dermatology online journal*, 8(6), 499.

Conferences organised

2nd Geriatricon, Lady Hardinge Medical College, Organiser IADVL-DSB, May 14, 2017

Monthly Clinical Meet of IADVL held in LHMC, Organiser IADVL-DSB, on Oct. 28th 2017

Conference presentations

Dr Ram Chander & Dr Taru Garg: chaired session Speaker/Suppressive treatment for HSV 2 infection: various scenarios. Panellist/STIs and HIV in Dermacon, Kolkata, Jan. 12th-16th, 2017.

Dr Ram Chander: Faculty and chaired the session in Annual National Leprosy conference, Aerocity Delhi in Dec. 2017.

Dr Ram Chander, Dr Taru Garg, Dr Vibhu Mendiratta: as Panelist / Management of recalcitrant conditions in Dermatology- an evidence based approach (Hidradenitis suppurativa) in Mid-year Cuticon, May 28th 2017.

Dr Taru Garg: Panelist/ Acne myths and Facts, in 2nd Acne summit at Sir Gangaram hospital on 19.02.2017, Panelist/ management of vitiligo in elderly in SIG Geriatric Dermatology, LHMC, 14.05.2017, Panelist /Approach to Facial 'Confusing Lumps' in DAAS Summit, at Hotel Eros, Nehru Place, June 30th to 2nd July, 2017.

Dr Taru Garg Speaker/ An approach to Genodermatoses in 3rd PGCON North zone, at GTB hospital, Sept. 9-10th, 2017.

Dr Taru Garg Speaker/ Relapse, reinfection and resistance in leprosy, National Leprosy conference, hotel holiday inn, Aerocity Delhi in Dec. 2017.

Dr Taru Garg Speaker/ cutaneous manifestations of Chikungunya at Academic meet, at L.H.M.C., Nov. 22nd 2017.

Faculty strength: 5

DERMATOLOGY, VENEREOLOGY, LEPROLOGY (MAMC)

Major activities and achievements

Three theses were completed during the year including “Clinical profile and serum homocysteine, vitamin B12 levels and MTHFR gene polymorphism in Vitiligo”, “Clinico-histopathological and immunological study in Alopecia Areata” and “Study of clinical profile and contact sensitivity to cosmetic allergens in melasma”.

Honour and Distinction

Sahoo B., Nominated for Maibach Award for the American Contact Dermatitis Society at the 29th Annual Meeting of the American Contact Dermatitis Society, San Diego, California, USA, February 2018 for the research titled “The contact sensitivity pattern and MED in hair dye dermatitis associated with photosensitivity”.

Choubey V. Awarded Prof. V. N. Sehgal award for excellence in MD (Dermatology including Leprosy & STD)

Sarkar R., Elected as the President of IADVL- Delhi State Branch for the year 2018 and Vice President of International Society of Dermatology.

Sarkar R., Convener- IADVL, International Liaison committee and Chairperson of International & National committee, Skin of Color Society.

Barman KD., Honorary Secretary of IADVL- Delhi State Branch for the year 2018.

Relhan V., Elected as Vice President of Geriatric and Aesthetic Dermatology Society.

Publications

Choubey, V., Sarkar, R., Garg, V., Kaushik, S., Ghunawat, S., & Sonthalia, S. (2017). Role of oxidative stress in melasma: a prospective study on serum and blood markers of oxidative stress in melasma patients. *International Journal of Dermatology*, 56(9), 939-943.

Chugh, S., Garg, V. K., Sarkar, R., & Sardana, K. (2017). Clinico-Epidemiological Profile of Viral Sexually Transmitted Infections in Seropositive Patients Attending a Tertiary Care Hospital in North India. *Journal of the International Association of Providers of AIDS Care (JIAPAC)*, 16(4), 331-337.

Mahajan, K., Relhan, V., Relhan, A. K., & Garg, V. K. (2016). Pityriasis rosea: An update on etiopathogenesis and management of difficult aspects. *Indian journal of dermatology*, 61(4), 375.

Relhan, V., Mahajan, K., Agarwal, P., & Garg, V. K. (2017). Mycetoma: an update. *Indian journal of dermatology*, 62(4), 332.

Relhan V, Ghunawat S, Tenani A, Mittal S, Garg VK. (2017) Trends in Profile of Leprosy Cases Reporting to a Tertiary Care Centre in Delhi during 2006-2015. *Indian J Leprosy*, 88, 217-225

Relhan, V., Mittal, S., Mahajan, K., & Garg, V. K. (2017). Goldenhar syndrome with rare clinical features. *Indian Journal of Paediatric Dermatology*, 18(4), 317.

Sarma Sarma, N., Chakraborty, S., Poojary, S. A., Rathi, S., Kumaran, S., Nirmal, B., ... Donthula, N. (2017). Evidence-based review, grade of recommendation, and suggested treatment recommendations for melasma. *Indian dermatology online journal*, 8(6), 406.

Sarkar Sarkar, R., Aurangabadkar, S., Salim, T., Das, A., Shah, S., Majid, I., ... Arya, L. (2017). Lasers in melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 585.

Sarkar Sarkar, R., Parmar, N. V., & Kapoor, S. (2017). Treatment of postinflammatory hyperpigmentation with a combination of glycolic acid peels and a topical regimen in dark-skinned patients: a comparative study. *Dermatologic Surgery*, 43(4), 566-573.

Sarkar, R., & Ailawadi, P. (2017). Treatment of melasma: The journey ahead. *Indian Journal of Dermatology*, 62(6), 555.

Sarkar, R., Gokhale, N., Godse, K., Ailawadi, P., Arya, L., Sarma, N., ... Ravichandran, G. (2017). Medical management of melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 558.

Sarkar, R., Arsiwala, S., Dubey, N., Sonthalia, S., Das, A., Arya, L., ... Godse, K. (2017). Chemical peels in melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 578.

Sarkar, R., Podder, I., Gokhale, N., Jagadeesan, S., & Garg, V. K. (2017). Use of vegetable oils in dermatology: an overview. *International journal of dermatology*, 56(11), 1080-1086.

Sonthalia, S., Relhan, V., & Garg, V. K. (2016). Erythromelanosis follicularis faciei et. colli. *Archives of disease in childhood, archdischild*.

Journals

Sarkar R., Editor in chief, "Pigment International".

Sarkar R. Associate Editor, "Journal of Cosmetic Dermatology".

Sarkar R., Section Editor, "IJDVL".

Sarkar R., Member, Editorial Board, Indian Journal of Dermatology, Indian Journal of Paediatric Dermatology, Indian Journal of STD & AIDS, Journal of Clinical & Aesthetic Dermatology, Dermatological Therapy

Barman KD., reviewed a textbook "Essentials of Dermatology and Sexually Transmitted Disease: An illustrated Synopsis "in April 2017

Research Projects

Ongoing projects:

A randomized comparative study of conventional versus modified technique of autologous non cultured melanocyte transfer.

To evaluate the role of patch testing in cutaneous adverse drug reaction.

Trichloroacetic acid peels versus salicylic acid peels in active acne vulgaris and post-acne hyperpigmentation: A comparative study

A study of clinical pattern and antifungal susceptibility to azoles and allylamines in dermatophytic infections

Clinic-biochemical study of Atopic dermatitis in children

Contact sensitivity pattern in Lichen planus pigmentosus and pigmented contact dermatitis

Clinical profile and contact sensitivity in patients with allergic contact dermatitis to cosmetics.

A comparative study of microneedling alone versus along with platelet rich plasma in acne scars.

Comparative efficacy of platelet rich plasma with intralesional triamcinolone in patchy alopecia areata of the scalp.

To compare the efficacy of cyanoacrylate tissue adhesive, conventional interrupted skin suture and staple for head and neck incisions: a randomized prospective study, in association with Maulana Azad Institute of Dental Sciences.

To compare the efficacy of intralesional bleomycin with intralesional triamcinolone acetonide in the treatment of hypertrophic scars and keloids, in association with Department of Plastic Surgery.

Seminars and Conferences organized

Yearly clinical meet organised in collaboration with Indian Association of Dermatology, Venereology & Leprology held in the college, Sept. 16, 2017.

Seminar and conferences Presentation

Dr. Bijaylaxmi Sahoo

Sahoo B., Invitation guest speaker to the 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) - DERMACON 2018.

Sahoo B., Guest Speaker: Management of lepra reaction: National Leprosy Conference, Dec. 5-7th, 2017

Sahoo B., Invited as guest speaker at 3rd PGCON of the North Zone is being organised by IADVL-Delhi State Branch and will be hosted by Department of Dermatology and STD, University College of Medical Sciences and GTB Hospital. Sept. 9th-10th, 2017

Sahoo B., Invited as speaker. PCS 2nd Global Allergy Conference (GAC-2017) in Prague, Czech Republic , August 5th - 6th, 2017.

Sahoo B., Panelist: A compendium in challenging cases. Mid Year Cuticon 28th of May 2017

Sahoo B., Panelist: Metabolic syndrome and Dermatology.Pieces of Jigsaw. 3rd December. Annual Cuticon 2017.

Sarkar R., Was invited faculty to speak at 12th International Congress of Dermatology at Beunos Aires, Argentina in “Neonatal Dermatology” Symposium, April 19th-22nd , 2017

Sarkar R., Was invited faculty at 4th International Summer Academy of Practical Dermatology at Munich,Germany to speak at “Vitiligo” Workshop and “Chemical Peels “ session,. July 25thto 29th,2017

Sarkar R., Was invited faculty to speak at “Melasma-Future Directions?” in DERMACON 2017 at Kolkata, Jan. 10th-13th, 2017.

Sarkar R., Was invited faculty to speak at “Hyperpigmentation in children” at New Delhi at ISPD Conference, Aug.18-20,2017.

Barman KD., Presneted paper Management of acne scars with combined methods of subscision and microneedling. WCOCD 2017, Bengaluru. May 4th- 7th, 2017

Barman KD., Evaluation of serum levels of zinc and copper in vitiligo in pediatric patients. 13 world congress of pediatric dermatology, Chicago, United State. July 6th-9th, 2017

Faculty strength: 05

DERMATOLOGY & STD (UCMS)

Honours/ Distinctions

Grover C., Awarded the prestigious “BM Ambady Oration” by Indian Association of Dermatologists, Venereologists and Leprologists for “Onychology: an integral and vital part of clinical and surgical Dermatology” during the proceedings of DERMACON 2018, 46th National Conference of IADVL, held at Kochi, Kerala. Jan. 18-21st, 2018.

Grover C., Awarded the “Best Case Report published in Indian Dermatology Online Journal- 2017” for the publication “Nicolau Syndrome following intramatrixial Triamcinolone acetonide injection for nail lichen planus” during the proceedings of DERMACON 2018, 46th National Conference of IADVL 2018 at Kochi, Kerala, Jan.18-21st, 2018.

Pandhi D., Received the Presidential appreciation award for services to IADVL at DERMACON 2018 at Kochi Jan. 20th, 2018.

Pandhi D., Awarded the Sardarilal Memorial Award for lifetime achievement in the specialty by IADVL Delhi state branch during CUTICON at New Delhi. Dec 3th, 2017.

Pandhi D., Awarded the Sardarilal Memorial Award Oration at ASTICON (annual conference of association for study of sexually transmitted diseases and AIDS of India) at Bhubaneswar. Nov. 26th, 2017.

Publications

- Asha, K., Singal, A., Sharma, S. B., Arora, V. K., & Aggarwal, A. (2017). Dyslipidaemia & oxidative stress in patients of psoriasis: Emerging cardiovascular risk factors. *The Indian journal of medical research*, 146(6), 708.
- Ashique, K. T., & Grover, C. (2018). The “Y” technique: An attempt to standardize nail dressing. *Journal of the American Academy of Dermatology*, 78(5), e103-e104.
- Bisherwal, K., Singal, A., Pandhi, D., & Sharma, S. (2017). Pedunculated hemorrhagic cystic swelling: An unusual presentation of polydactyly. *Indian dermatology online journal*, 8(3), 220-220.
- Bisherwal, K., Singal, A., Pandhi, D., & Girotra, V. (2017). Solitary collagenoma of the labium majus: A rare occurrence. *Indian journal of dermatology*, 62(3), 312.
- Bisherwal, K., Singal, A., Pandhi, D., & Sharma, S. (2017). Hypopigmented mycosis fungoides: Clinical, histological, and immunohistochemical remission induced by narrow-band ultraviolet B. *Indian journal of dermatology*, 62(2), 203.
- Chaudhary, R., Grover, C., Bhattacharya, S. N., & Sharma, A. (2017). Computer assisted Objective structured clinical examination versus Objective structured clinical examination in assessment of Dermatology undergraduate students. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(4), 448.
- Daulatabad, D., Singal, A., Grover, C., & Chhillar, N. (2017). Prospective analytical controlled study evaluating serum biotin, vitamin B12, and folic acid in patients with premature canities. *International journal of trichology*, 9(1), 19.
- Daulatabad, D., Grover, C., Kashyap, B., Dhawan, A. K., Singal, A., & Kaur, I. R. (2017). Clinical and serological characteristics of nail psoriasis in Indian patients: A cross-sectional study. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 650.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Daulatabad, D., Grover, C., Kashyap, B., Dhawan, A. K., Singal, A., & Kaur, I. R. (2017). Clinical and serological characteristics of nail psoriasis in Indian patients: A cross-sectional study. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 650.
- Daulatabad, D., Nanda, S., & Grover, C. (2017). Intra-individual right-left comparative study of medium depth peels in superficial nail abnormalities. *Journal of cutaneous and aesthetic surgery*, 10(1), 28.
- Daulatabad, D., Grover, C., & Tanveer, N. (2017). Nevroid hypertrichosis in a pre-adolescent girl. *Indian dermatology online journal*, 8(2), 143.
- Daulatabad, D., Singal, A., Grover, C., & Chhillar, N. (2017). Prospective analytical controlled study evaluating serum biotin, vitamin B12, and folic acid in patients with premature canities. *International journal of trichology*, 9(1), 19.
- Daulatabad, D., Grover, C., & Sharma, S. (2017). ‘Extraction dermoscopy’ as a rapid and innovative diagnostic tool for eruptive vellus hair cyst. *Clinical and experimental dermatology*, 42(4), 438-440.
- Daulatabad, D., Grover, C., & Sharma, S. (2017). ‘Extraction dermoscopy’ as a rapid and innovative diagnostic tool for eruptive vellus hair cyst. *Clinical and experimental dermatology*, 42(4), 438-440.
- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
- Grover, C., & Bansal, S. (2018). Nail biopsy: A user's manual. *Indian dermatology online journal*, 9(1), 3.
- Grover, C., & Bansal, S. (2017). The nail as an investigative tool in medicine: What a dermatologist ought to know. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 635.
- Grover, C., Kharghoria, G., Daulatabad, D., & Bhattacharya, S. N. (2017). Nicolau syndrome following intramatrix triamcinolone injection for nail lichen planus. *Indian dermatology online journal*, 8(5), 350.

- Grover, C., & Jakhar, D. (2017). Onychoscopy: A practical guide. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(5), 536.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Jakhar, D., & Grover, C. (2018). Universal serial bus dermatoscope as an oculoscopy tool. *Journal of the American Academy of Dermatology*, 78(6), e139-e140.
- Jakhar, D., & Grover, C. (2018). Innovative modification of the USB dermatoscope for mucoscopy. *Journal of the American Academy of Dermatology*, 78(1), e3-e4.
- Jakhar, D., Pandhi, D., Singal, A., & Sharma, S. (2018). Angioma serpiginosum in a bilateral distribution with acral involvement: An uncommon presentation. *Indian Journal of Dermatology, Venereology, and Leprology*, 84(3), 338.
- Kaul, S., Grover, C., & Das, G. K. (2017). Partial dysautonomia: An interesting presentation. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(5), 596.
- Das, S., Pandhi, D., Rai, G., Ansari, M. A., Gupta, C., Haque, S., & Dar, S. A. (2017). Challenges in culture-negative cases of *Madurella mycetomatis*: A case report re-accentuating PCR as an essential diagnostic tool. *Journal de mycologie medicale*, 27(4), 577-581.
- Pandhi, D., & Kulhari, A. (2017). Erythema nodosum leprosum necroticans. *Indian pediatrics*, 54(12), 1071-1071.
- Singal, A., Mittal, H., Aggarwal, A., Das, S., & Manchanda, S. (2018). Phacomatosis pigmentovascularis type 2b (phacomatosis cesioflammea) with double superior vena cava, abdominal varicosities, and natal tooth: Novel associations. *Pediatric dermatology*, 35(3), e151-e154.
- Singal, A., Kaur, I., & Arora, V. K. (2018). Solitary Digital Nodule in an Infant. *Skin appendage disorders*, 4(1), 44-46.
- Singal, A., Pandhi, D., Gogoi, P., & Grover, C. (2017). Subungual melanoma is not so rare: Report of four cases from India. *Indian dermatology online journal*, 8(6), 471.
- Singal, A. (2017). Habit tic deformity of bilateral thumb and toenails in a young boy: an unusual occurrence. *Skin appendage disorders*, 3(4), 186-187.
- Singal, A. (2017). Chikungunya and skin: Current perspective. *Indian dermatology online journal*, 8(5), 307.
- Singal, A., Pandhi, D., Kataria, V., & Arora, V. K. (2017). Tuberculosis of the glans penis: an important differential diagnosis of genital ulcer disease. *International journal of STD & AIDS*, 28(14), 1453-1455.
- Singal, A., Pandhi, D., Gogoi, P., & Grover, C. (2017). Subungual melanoma is not so rare: Report of four cases from India. *Indian dermatology online journal*, 8(6), 471.
- Grover C, & Singal, (2017). Conference Report 4th International Summit for Nail diseases (ISND) held in Athens, Greece. *ONYCHOSCOPE*, 7(1).
- Grover C, & Jakhar D. (2017) Diagnostic Utility of Onychoscopy: A review of Literature. *Indian J Dermatopathol Diagn Dermatol*, 4, 31-40.
- Grover C, & Jakhar D. (2017). Dermoscopy in the diagnosis of Scabies. *Int J Dermoscopy*, 1(2), 67-68.
- Grover C. (2018). Editorial. *Onychoscope*, 2018, 7(1), 1.
- Grover C. (2017). Conference Report for the 21st Annual Meeting of Council of Nail Disorders. *Onychoscope* 2017, 6(2), 6-7.
- Grover C, & Singal A. Conference Report for the 4th International Summit for Nail Diseases. *Onychoscope* 2017, 6(2), 4-6.
- Grover C. (2017). Editorial. *Onychoscope*, 2017, 6(1), 1
- Jakhar D, Grover C. (2017). Photo Quiz- Yellow Nail Syndrome. *Onychoscope*, 6(2), 4
- Singal A, Jakhar D. (2017). ONYCHOSCOPY: An Overview. *Int J Dermoscopy*, 1, 2, 41-49.

Chapters in books

Grover C, Singal A. (2017). Surgery and Cosmetic Procedures of nails: Excision of subungual tumors. In Mysore Venkatram, (Ed.). *ACS (I) Textbook of Cutaneous and Aesthetic Surgery* pp. (602-609). 2nd Edition. New Delhi: Jaype Brothers Medical Publishers. [ISBN 978-93-5270-033-2.]

Pandhi D. Phototoxic and Photoallergic drug reactions. (2018). In Gupta L, Martin A, Dsouza P, Pande S. (Eds.). *IADVL's Textbook on CADR- A Comprehensive Guide*. Mumbai: Bhalani Publishing House.

Pandhi D, Daulatabad D. Ichthyosis. (2017). *Textbook of Pediatrics for Postgraduates, 2nd Ed.* (pp. 3086-91). In Gupta P, Menon PSN, Ramji S, Lodha R. (Eds.). New Delhi: Jaypee Publishers.

Pandhi D, Arora R. Urticaria, and Mastocytosis. (2017). *Textbook of Pediatrics for Postgraduates, 2nd Ed.* (pp 3116-21). Gupta P, Menon P.S.N., Ramji, S., Lodha, R. (Eds.). New Delhi: Jaypee Publishers.

Sardana K, Grover C, Khurana A, Suresh M. S. Telogen Effluvium. (2017). *Hair loss: Disorders, restoration and management, 2nd Ed.* (pp. 70-93). In Sardana, K, Khurana A. Delhi: CBS Publishers and Distributors.

Books

Singal A, Grover C. (2018). *Atlas of Infections in Dermatology*. Jaypee Publisher.

Research projects

Dr Deepika Pandhi : To determine anti-fungal susceptibility of dermatophytes causing superficial fungal infection to Fluconazole, Terbinafine, Griseofulvin Itraconazole, Voriconazole, 2015-2017 Funded by: IADVL Amount: 3,42,000

Seminars Organised

CME on Botulinum Toxin hands-on training workshop for Senior Residents on 22nd August, 2017

Conferences Organised

3rd Post Graduate Conference (PGCON) North Zone organised at Conference Hall, UCMS and GTB, Sept. 9-10th, 2017

Seminars/ Conferences Presentations

Grover Chander., Invited Faculty for the session “Treatment of Nail Disorders: Chemical Peelings” during the proceedings of the 21st Annual Conference of Council for Nail Disorders, held at Hotel Hilton, Orlando, Florida, USA. March 2nd, 2017

Grover C., Chairperson and Invited Faculty for the session “Injectable therapies in Nail disorders” during the proceedings of the 4th International Summit for Nail Diseases, held at Hotel Divani Caravel, Athens, Greece. June 23rd-25th, 2017.

Grover C., Invited Faculty for the session “Commonly performed nail surgeries” during the proceedings of the 12th World Congress of Cosmetic Dermatology 2017 and 15th National Conference of ACSI, held at GKVK, Bengaluru, India. May 4-6th, 2017.

Grover C., Invited Faculty for the session “Injectables and Nail avulsion” during the proceedings of the International Aesthetic and Clinical Dermatology Conference, held at PGIMER, Chandigarh, India, Dec. 8-10th, 2017

Grover C., Invited Faculty for “Nail Surgery” during the IADVL-Torrent Dermatosurgery Workshop organised by IADVL-SIG Dermatosurgery and IADVL-Karnataka State Branch at JSS Medical College, Mysore. Feb. 11th, 2018

Grover C., Invited Faculty for “Where to take the Nail Biopsy” during the Workshop “Nailing the nail” held during the proceedings of DERMACON 2018, 46th National Conference of IADVL, 2018 at Kochi, Kerala. Jan. 18th-21st, 2018.

Grover C., Invited Faculty for the session “Nail Biopsy” (lecture and live demonstration) during the proceedings of IADVL-Torrent Dermatosurgery Workshop organised by IADVL-DSB and IADVL-SIG Dermatosurgery, at Medanta, The Medicity, Gurugram. Jan. 7th, 2018

Grover C., Invited Faculty for the session “Nail Fold capillaroscopy” (lecture and live demonstration) during the proceedings of the V Biennial Conference of IADVL, West Zone, held at Rajkot, India, Dec. 15-17th, 2017

Grover C., Invited Panelist for “Management of Nail Psoriasis” during the proceedings of IADVL Master Class on Psoriasis Management (IMPACT 2.0) organised by IADVL-DSB, 28th May, 2017 at Hotel Shangri-La, Connaught Place, Delhi

Grover C., Invited Faculty for “Tips and Tricks in Onychoscopy” during the proceedings of 6th ONYCHOCON organised at Department of Dermatology and STD, GMC Amritsar, from 4-5th Nov, 2017.

Grover C., Invited Quiz Master for the “Nail Quiz” during the proceedings of 6th ONYCHOCON organised at Department of Dermatology and STD, GMC Amritsar, from 4-5th Nov, 2017.

Grover C., Invited Faculty for “Skin Manifestations of PCOS” during the proceedings of PCOS Symposium organised at India International Centre, Delhi on 1st Nov, 2017.

Grover C., Invited Faculty for “Nail Spotters” during the proceedings of 3rd PGCON organised at Conference Hall, Department of Dermatology and STD, UCMS and GTB Hospital, Delhi from 9-10th Sep, 2017.

Grover C., Invited Chairperson for “Dermoscopy of Hyperpigmentary Disorders” during the proceedings of 4th RSF Dermoscopy and Trichoscopy Workshop organised at Hotel Swissotel, Kolkata . Sept. 2-3rd Sep, 2017.

Grover C., Invited Faculty for “Writing a Title” and “How to use protocol Writing Template” during the proceedings of Protocol Writing Workshop for first year PG students, organised at UCMS and GTB Hospital. August 21st- 24th, 2017.

Grover C., Invited Faculty for “Writing Introduction” during the proceedings of Paper Writing Workshop for Senior Residents, organised at MEU, Maulana Azad Medical College. August 23rd- 24th, 2017.

Grover C., Invited Chairperson for “Secrets of lip reshaping” during the proceedings of Facial Aesthetics Training and Education (FATE) organised at Delhi. July 30th, 2017 .

Grover C., Invited Faculty and Chairperson for “Hair loss: What to do” during the proceedings of 4th DAAS (Dermatology and Allied Specialties) Summit organised at Delhi. June 30th-2nd July, 2017

Grover C., Invited Faculty for “Nail Surgery: video demonstration of basic and advanced procedures” during the proceedings of IADVL-Torrent Dermatotomy Workshop-2016” organised at Agra. June 11th, 2017

Grover C., Invited Chairperson for the 2nd Conference and Hands on Workshop of Jawline and Chin Augmentation organised by Face Aesthetic Dermatologist Society at Hotel Radisson Blu, Ghaziabad, April 30th, 2017.

Grover C., Invited Panelist for the session “Management of Late Onset Psoriasis” during the proceedings of the Symposium on Reconceptualizing management of dermatoses in elderly, held at Lady Hardinge Medical College, Delhi. May 14th, 2017.

Grover C., Invited Faculty for the session “What’s new: Dermoscopy” during the proceedings of the Mid Year CUTICON, held at Hotel Eros, Nehru Place, Delhi on May 28th, 2017.

Pandhi D., Invited Moderator for panel discussion on Topical therapy in Acne at the 3rd Acne India summit at New Delhi. March 4th, 2018.

Pandhi D., Invited faculty for talk entitled-Genodermatoses, commonly encountered, case scenarios, Indian context, -at 46th National. Conference of IADVL Dermacon 2018 at Kochi, Kerala. Jan. 18th to 21st, 2018.

Pandhi D., Invited Panelist for Panel Discussion on Genodermatoses at the 4^{6th} National. Conference of IADVL Dermacon 2018 at Kochi, Kerala. Jan. 18th to 21st, 2018.

Pandhi D., Invited speaker for talk entitled “How to convert Thesis into paper” at the Dermazone West at Rajkot on December 15th-17th 2017.

Pandhi D., Invited speaker for talk entitled “Pitfalls in articles submitted for publication-How to avoid?” at the Dermazone West at Rajkot on December 15th-17th 2017.

Pandhi D., Invited panelist for panel discussion entitled “Lab interpretation and clinical significance in AI-CTD” at the Dermazone West at Rajkot on December 15th-17th 2017.

Pandhi D., Moderator and Judge for 3 Debates on “Glutathione in Dermatology, Rituximab versus Pulse therapy and Antibiotics in Acne” at the Dermazone West at Rajkot on December 15th-17th 2017.

Pandhi D., Invited speaker for Award Oration entitled “P16 immunostaining as a predictor of anal and cervical dysplasia in women attending a sexually transmitted infection clinic” at the National ASTICON conference at Bhubaneswar on November 24th-26th, 2017.

Pandhi D., Invited speaker for talk entitled “Treating right for healing right; Management issues in SLE” at the Dermazone South at Mangalore on November 17th- 19th, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Current menace of dermatophytosis” at the Dermazone South at Mangalore on November 17th- 19th, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Investigating autoimmune connective tissue disease” at the Dermazone South at Mangalore. Nov.17th- 19th, 2017.

Pandhi D., Invited speaker for talk entitled “Is there any Clinical relevance of lab diagnosis & antifungal drug susceptibility tests in Dermatophytosis” at the Dermatophytosis: Fighting the Challenge conference at Chandigarh on Sept. 2-3 2017.

Pandhi D., Invited speaker for talk entitled “Therapeutic Options for Difficult to Treat Acne” at the National symposium on Clinical Dermatology- Back to Roots-2 at Bengaluru. August 5-6, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Future therapeutics in Acne” at the at the National symposium on Clinical Dermatology- Back to Roots-2 at Bengaluru. August 5-6, 2017

Pandhi D., Invited panelist for panel discussion entitled “Universal access to HIV testing: windows of opportunity” at the National Consultation on Private Health Sector Engagement for Elimination of Mother-To-Child Transmission of HIV and Syphilis held at New Delhi. July 7, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Vasculitis-Looking beyond the skin” at the 4th Dermatology and Allied Specialities (DAAS) Summit organised at New Delhi. July 1st-3rd, 2017.

Pandhi D., Invited speaker for talk entitled “Examination pattern: Theory “at the National PG task force workshop at Delhi. June 18th 2017.

Pandhi D., Invited Speaker for talk entitled “Examination pattern: Theory “ at the National PG task force workshop at Delhi. June 18th 2017

Pandhi D., Invited speaker for talk entitled “Challenges of managing Bullous Pemphigoid in elderly” at the National symposium on “Reconceptualising the management of Dermatoses in Elderly” at New Delhi. May 14th, 2017.

Pandhi D., Invited speaker for a talk entitled “Management of difficult Acne” at the Annual CUTICON of Andhra Pradesh State branch at Nellore. Dec. 9th-10th, 2017.

Pandhi D., Participated in a panel discussion on “Management of Difficult cases” at the Annual CUTICON of Andhra Pradesh State branch at Nellore. Dec. 9th-10th, 2017.

Pandhi D., Moderated a panel discussion on “Fighting against Dermatophyte: Are we losing the plot?” at the Annual CUTICON of Delhi State branch at New Delhi on Dec. 3rd 2017.

Singal A., Invited moderator for the session, ‘Cosmetic Nail Problem’ during 12th World Congress of Cosmetic Dermatology- WCOCD 2017 held in Bangalore. May 5th-7th, 2017.

Singal A., Invited speaker for the session on 'Challenges in the diagnosis and management of cutaneous tuberculosis' at the 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi. Jan. 18th to 21st, 2018.

Singal A., Invited speaker for the session on 'Approach to Nail Tumors' at the 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi. Jan. 18th to 21st, 2018.

Singal A., Invited faculty to the symposium on “A Modern Team based approach to the management of epidermolysis bullosa; A rare genetic disorder” organised by Center for Human genetics (CHG) in Bangalore. Jan. 14-15th, 2018

Singal A., Took a lecture on, ‘Maintaining & Improving Standard of Care’ during Intern Orientation program’ in UCMS. Jan. 1st, 2018.

Singal A., Invited speaker on, ‘How to Manage Recalcitrant DERMATOPHYTOSIS’ during Annual CUTICON, Haryana State Branch, held on Dec. 16th, 2017.

Singal A., Invited speaker on, ‘Non Dermatophytic Molds in Onychomycosis: a tough nut to crack’ during NATIONAL DERMATOLOGY CME & UPDATE, held in Base Hospital Lucknow. Dec. 8th-9th, 2017.

Singal A., Invited panelist for the session, 'The Great Indian Epidemic of Superficial Dermatophytosis; Difficult Path Ahead' during NATIONAL DERMATOLOGY CME & UPDATE, held in Base Hospital Lucknow. Dec. 8th-9th, 2017.

Singal A., Invited speaker on 'Present Day Challenges in the Management of Leprosy' during Research Symposium On 'Relapse and Drug Resistance: Present Scenario and Critical Issues' organised by LTM IHC, Delhi. Nov. 29th, 2017.

Singal A., Invited speaker on, 'Approach to Twenty nail Dystrophy' during 21st DERMAZONE South and 8th CUTICON Karnataka held at Mangalore. Nov 14th-16th, 2017.

Singal A., Invited Faculty for "Bird's Eyeview of ONYCHOSCOPY" during the proceedings of '6th ONYCHOCON, organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4th- 5th, 2017

Singal A., Invited Faculty for "Bird's Eyeview of ONYCHOSCOPY" during the proceedings of '6th ONYCHOCON organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4th- 5th, 2017.

Singal A., Invited Faculty for "Interesting Nail Cases" during the proceedings of '6th ONYCHOCON, organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4th- 5th, 2017.

Singal A., Invited speaker on, 'Strategies to treat resistant and recurrent superficial DERMATOPHYTOSIS' during Gurgaon Dermatologist CME. Sept. 27th, 2017.

Singal A., Presented 'Challenges Cases in Dermatology' during the proceedings of 1st CUTICON of IADVL, J&K Branch held on 26th Sept, 2018 in Srinagar.

Singal A., Delivered a lecture on "Do's and Don't in Practical Exam" during '3rd PGCON NORTH ZONE' held in UCMS on 9th & 10th Sept 2017.

Singal A., Delivered Plenary Lecture on, 'Recurrent Tinea; Myth or Reality' during symposium on 'Dermatophytosis; Fighting the Challenge, organised by PGI Chandigarh during 2nd & 3rd Sept 2017.

Singal A., Invited speaker in the session, 'How Do I Treat' Trachyonychia in children' during Annual conference of Indian Society of Pediatric Dermatology' 2017 Aug. 16th-18th, 2017.

Singal A., Presented, Interesting Cases in Dermatology from India' during 5th International Summer Academy of Practical Dermatology' held in Munich. July 25th-29th, 2017.

Singal A., Invited lecture on, 'Skin and epidemic fevers' during 4th DAAS SUMMIT at Hotel Eros, New Delhi. June 28th- 30th, 2017

Singal A., Invited speaker on, 'Great Nail cases from India' during 4th International Summit for Nail diseases (ISND) held in Athens, Greece. June 23rd to 25th, 2017.

Singal A., Invited speaker on, 'A Compendium of Challenging CASES in Dermatology' during Mid-Year CUTICON, organised by IADVL Delhi State Branch at Hotel Le Meridian, Delhi. May 15th, 2017

Singal A., Invited speaker on, 'Approach to Management of Onychomycosis in Elderly' during symposium on 'Re conceptualizing management of Dermatoses in elderly' organised in LHMC. May 14th, 2017

Placement Details

Number of students placed: 3

Extension and outreach activities

3rd PGCON organised by IADVL-DSB and Department of Dermatology and STD, UCMS and GTB Hospital at Conference Hall, UCMS and GTB Hospital.

Faculty Strength: 5

Other Significant information

Grover C., Honorary Secretary, IADVL Delhi State Branch for the year

Grover C., Founder Secretary, Nail Society of India.

Grover C., Editorial Board Member, Skin Appendage Disorders, an International, peer-reviewed, Pubmed indexed journal.

Grover C., Editorial Board Member, Indian Journal of STD and AIDS, a peer-reviewed, Pubmed indexed journal.

Pandhi D., Appointed as Member Editorial Committee for Indian Journal of Sexually transmitted Diseases and AIDS

Pandhi D., Appointed as Section Editor for Indian Journal of Dermatology, Venereology and leprosy

Pandhi D., Appointed as Member Editorial Committee for Indian Online Dermatology Journal

Singal A., Scientific Chairperson, 3rd PGCON, North Zone organised by IADVL DSB and Department of Dermatology & STD, University College of Medical Sciences & GTB Hospital, Delhi on at Conference Hall UCMS, Delhi.

Singal A., Special Grants received- Awarded Travel Grant to ISA 2017, to attend 5th Munich International Summer Academy of Practical Dermatology. July 25th -29th, 2017

FORENSIC MEDICINE (LHMC)

Major Activities and Achievements

Two books have been published by the faculty members. Four scientific research papers have been published in the reputed journals. Two dissertations have been accepted by the University in the year 2017. Four dissertations projects are going on presently.

Publications

Naik, S. K. (2017). *Dealing with Medico-legal Duties*. New Delhi: Shiv Shakti.

Sharma, G. K. (2017). *Textbook of Forensic Medicine, Medical Jurisprudence, and Toxicology Including Forensic Psychiatry*. New Delhi: CBS.

Kumar, M., Naik, S. K., Murari, A., & Rani, Y. (2017). Detection of diatoms in non-drowning cases-a post-mortem study. *Journal of Forensic Medicine and Toxicology*, 34(1), 5-13.

Kumar, R., Chouksey, V., Duchania, S., Panchal, K., & Rani, M. (2017). Complex suicide: multiple methods used to end life. *Journal of Forensic Medicine and Toxicology*, 34(1), 36-39.

Singh, R. K., Naik, S. K., Jais, M., Sharma, G. K., Rani, Y., & Murari, A. (2018). Screening of Hepatitis B Virus among claimed and unclaimed dead bodies during Autopsy. *Indian Journal of Medical Specialities*, 9(1), 12-14.

Deshkar, J., Kumar, P., & Naik, S. K. (2016). Pain killed army man-A case report. *Journal of Indian Academy of Forensic Medicine*, 38(3), 350-351.

Research Projects

Non-funded projects

HBV and HCV screening in claimed and unclaimed dead bodies at autopsy in LHMC and Associated Hospitals, New Delhi, 2015-2017

A post-mortem study of Socio-demographic profile and organ weights in cases of suicide. 2015-2017

Profile of substance users receiving opioid substitution therapy at LHMC and Associated Hospitals, New Delhi. 2016-2018

Estimation of age from fusion of mesosternum with manubrium sterni and xiphisternum- A post-mortem study. 2016-2018

Determination of individual characteristics and gender variations in lip prints for the purpose of identification 2017-2019

A 20- year retrospective study of pattern of Firearm injuries among autopsies conducted at LHMC, New Delhi. 2017-2019

Correlation of chronological age with degree of fusion of iliac crest by digital roentgenograph. 2017-2019

Seminar/ Conference Presentations

2 Research papers "Death due to detention- Medico-legal aspects by Dr. Shrabana Kumar Naik, Professor and "After POCSO Act, is there need to change the medico-legal opinion? by Dr. Kuldeep Singh, Junior

Resident” have been presented at Annual National Conference of IAFM held at JIPMER, Puducherry on 1st -3rd Feb, 2018.

Faculty Strength: 8

MEDICINE (UCMS)

Major Activities and Achievements

The Department of Medicine at UCMS-GTBH has been providing patient care services to vast number of inpatients as well as outpatients through its general and special OPDs along with dedicated wards, coronary care and dialysis units and round the clock emergency services. The antiretroviral treatment center is also running under the aegis of the Department of Medicine and is extending care and support to a large number of patients suffering from HIV. The faculty despite handling the immense burden of patient care is also religiously involved in teaching and training of undergraduates and postgraduates. A lot of effort is invested in doing quality MD thesis work and residents are also marking their presence in national conferences. Faculty is also involved in core curriculum committees and medical education unit. Despite constraints and logistics the department endeavors to provide opportunity for professional growth to both residents and faculty by facilitating teaching and training.

Honours/Distinctions

Amit Verma awarded Membership, National Academy of Medical Sciences (India), 2017.

Ashish Goel, Awarded Masters in Public Health degree at the Johns Hopkins Bloomberg School of Public Health, USA, May 25, 2017

Awarded Fellowship of Indian College of Physicians, 2017.

Publications

Dayanand, Raizada, A., Agarwal, A., Sharma, R., & Kaur, R. (2017). PEW and its association with frailty in NDD- CKD. *Ind J Neph*, 27(1), S22.

Kumar, A., & Goel, A., (2018). Step one in research: Formulating a research question. In, Prakash A, Pangtey G (Eds.), *Research Methods*, Indian College of Physicians, Association of Physicians of India.

Mukherjee, S., Thawani, R., Roy, P., Aggarwal, A., Das, S., & Goel, A. (2017). Interaction with patients in understanding medical students' role as healthcare providers. *J Pharm Biomed Sci*, 7(2), 40-45.

Piden, N., Raizada, A. S., Agarwal, & Grover, R. K. (2017). Spectrum of renal involvement in cancer patients. *Ind J Neph*, 27(1), S37s.

Rath, S., Yadav, L., Tewari, A., Chantler, T., Woodward, M., Kotwal, P. . . . Norton, R. (2017). Management of older adults with hip fractures in India: a mixed methods study of current practice, barriers and facilitators, with recommendations to improve care pathways. *Arch Osteoporosis*, 12(55), 1-13.

Siddarth, M., Chawla, D., Raizada, A., Wadhwa, N., Banerjee, B.D., & Sikka, M. (2018). Lead-induced DNA damage and cell apoptosis in human renal proximal tubular epithelial cell. Attenuation via N-acetyl cysteine and tannic acid. *J Biochem Mol Toxicol*, 32(3), 322038.

Siddarth, M., Chawla, D., Raizada, A., Wadhwa, N., Banerjee, BD., & Sikka, M. (2018). Lead nitrate-induced ROS mediated DNA damage and cell apoptosis in human renal proximal tubular epithelial cell: amelioration via N-acetyl cysteine, Curcumin, and Tannic acid. *Cancer Med*, 7, 37-37.

Singh, A., Verma, A.K., & Amrita. (2017). Dilemma in diagnosis of tuberculosis as a case report of lost battle of TB. *Int J Cont Med Res*, 4(9), 1919-1920.

Singh, A., Verma, A.K., Srivastava, A., Sharma, T., & Sundaram. (2018). Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcome. *Ind J Obs Gyn Res*, 1.

Verma, A.K., & Sahu, D.K. (2017). Assessment of cognitive function status in patients of COPD by Montreal cognitive assessment test Hindi Version. *Int J Cont Med Res*, 4(5), 986-989.

Verma, A.K., & Singh, D.K. (n.d.). A study of occurrence of frailty in patients of COPD and its correlation with cognitive functions as assessed by Montreal cognitive assessment score. *Int J Scientific Study*, 5(8), 76-80.

Yadav R, & Goel, A. (2018). Urinary Incontinence in elderly. In, Handa R (Ed.), *Medicine Update*, APICON.

Research Projects

Dr Shiva Narang, completed 2017, “Efficacy and safety of fixed dose combination of drotanerine Hydrochloride (80mg) and Paracetamol (500mg) in amelioration of abdominal pain in patients with acute infectious gastroenteritis: A Double Blind Randomized controlled trial”.

Seminar/Conference Presentations

Raizada A, Poster presentation on “PEW and its association with frailty in NDD CKD” at 48th Annual Conference of Indian Society of Nephrology-ISONCON 2017, Dece.14-17, 2017.

Raizada A, Poster presentation on “Spectrum of renal involvement in cancer patients” at 48th Annual Conference of Indian Society of Nephrology-ISONCON 2017, Dec. 14-17, 2017.

Aggarwal A, Chairperson at 73rd Annual Conference of the Association of Physicians of India, Mumbai. Feb. 22nd-25th, 2018,

Aggarwal A, Chairperson at 30th Annual Conference of the Indian Society of Atherosclerosis Research, AIIMS, Patna. Nov. 2nd-4th, 2017.

Aggarwal A, Chairperson at 27th National Congress of the Indian Society of Hypertension, New Delhi. Sept. 1st-2nd, 2017.

Aggarwal A, Chairperson at 12th World Congress on Clinical Preventive Cardiology and Imaging, Amritsar. Sept. 30th-01st Oct, 2017

Aggarwal A, Chairperson at DIABCON 2017. April 22nd-23rd, 2017.

MICROBIOLOGY (MAMC)

Major Activities and achievements

The Department of Microbiology teaches undergraduate (MBBS, BDS, B.Sc. Nursing), Postgraduate (MD) and Ph.D students. The Laboratories in the Department are well equipped with latest equipment, such as Vitek-2 Compact System, BAC/T Alert System, DNA Sequencer, Cobas Taqman 48 Analyzer, BD FACS Count System and Fully Automated ELISA processor. The HIV Laboratory in the department functions as a State Reference Laboratory (SRL) for HIV under the aegis of NACO. The HIV testing performed by rapid tests has been accredited by NABL. The department has number of publications in peer reviewed scientific journals and some of them are authors of well-known Microbiology text books.

Honours/Distinctions

Dr Rohit Chawla was certified as the Diplomat of the American Board of Medical Microbiology (ABMM).

Dr. Rohit Chawla attained the fellowship of the Canadian College of Microbiologists (FCCM).

Dr Vikas Manchanda, Member of Vice Chair, External Affairs committee, Society of Healthcare Epidemiology of America (SHEA), USA

Publications

Baveja, C. P., & Aggarwal, P. (2017). Statistical analysis of microbiological diagnostic tests. *Indian Journal of Medical Microbiology*, 35(2), 184.

Abhishek, K. S., Chakravarti, A., Baveja, C. P., Kumar, N., Siddiqui, O., & Kumar, S. (2017). Association of interleukin-2, -4 and -10 with dengue severity. *Indian Journal of Pathology and Microbiology*, 60(1), 66.

Goel, S., Chakravarti, A., Mantan, M., Kumar, S., & Ashraf, M. A. (2017). Diagnostic approach to viral acute encephalitis syndrome (AES) in paediatric age group: a study from New Delhi. *Journal of clinical and diagnostic research: JCDR*, 11(9), DC25.

Kumar, S., Bala, I. & Sethi, & G.R. (2017). Mycoplasma pneumoniae lower respiratory tract infections among children. *International J Sci. Res.* 6, 73-74.

Nayyar, C., Saksena, R., & Manchanda, V. (2017). Prevalence of transfusion-transmitted viral pathogens among health-care workers and risk mitigation programme in a paediatric tertiary care hospital. *Indian journal of medical microbiology*, 35(2), 296.

Gupta, R., Kushwaha, S., Thakur, R., Jalan, N., Rawat, P., Gupta, P., ... Manchanda, V. (2017). Predictors of adverse outcome in patients of tuberculous meningitis in a multi-centric study from India. *Indian Journal of Tuberculosis*, 64(4), 296-301.

Singh, N., & Manchanda, V. (2017). Control of multidrug-resistant gram-negative bacteria in low-and middle-income countries—high impact interventions without much resources. *Clinical Microbiology and Infection*, 23(4), 216-218.

Manoharan, A., Manchanda, V., Balasubramanian, S., Lalwani, S., Modak, M., Bai, S., & Nataraj, G. (2017). Invasive pneumococcal disease in children aged younger than 5 years in India: a surveillance study. *The Lancet Infectious Diseases*, 17(3), 305-312.

Wattal, C., Javeri, Y., Goel, N., Dhar, D., Saxena, S., Singh, S., & Nangia, V. (2017). Convergence of minds: For better patient outcome in intensive care unit infections. *Indian Journal of Critical Care Medicine*, 21(3), 154.

Gupta, A. J., Singh, M., Yadav, S., Khurana, N., Jain, S. L., Chawla, R., ... Mishra, A. (2017). Phaeohyphomycosis breast masquerading as fibroadenoma in a young teenage girl. *Diagnostic Cytopathology*, 45(10), 939-942.

Books Published

Baveja, C. P. (2017). *A textbook of Microbiology for Nursing*. (5th Ed.). Delhi: Arya.

Baveja, C. P. (2017). *Essentials of MD/DNB Microbiology Practical Examination*. (1st Ed.). Delhi: Arya.

Baveja, C. P. (2017). *Medical Parasitology*. (4th Ed.). Delhi: Arya.

Kumar, S. (2017). *Practical Microbiology for MBBS Students*. Delhi: Jaypee Brothers Medical.

Number of Department teachers serving as Editors/members of Editorial Board

Baveja CP., Reviewer for Indian Journal of Medical Microbiology and Oman Medical Journal.

Baveja CP., Member, Editorial Board, MAMC Journal of Medical Sciences

Manchanda V., Editorial Board member of: Journal of Patient Safety and Infection Control – Journal of Hospital Infection Society of India (HISI), Astrocyte – Journal by National Board of Examinations (NBE) and Jeevanu Times – Publication from Indian Association of Medical Microbiologists, Delhi Chapter

Manchanda V., Web Editor of - IAMM Delhi Chapter and Hospital Infection Society, India

Research Projects

Baveja CP., miRNAs as evaluation biomarkers of Tuberculosis treatment response. Funded under Grand Challenges exploration India/ Round 1.

Kumar S., ICMR Project: Role of *Mycoplasma pneumoniae*, and *Chlamydomydia pneumoniae* and viral infections in children with asthma exacerbations

Kumar S., ICMR Project: Does the foetal immune response in case of neonatal early onset sepsis begin in utero.

Manchanda V., Rapid diagnosis of candidemia through a novel, rapid and cost-effective spot immunomagnetic enrichment device (SiMED) Initiated 2017, funded by DBT

Manchanda V., A Study of a new diagnostic approach iMC² for early diagnosis of typhoid fever. Initiated 2017, funded by DBT

Manchanda V., A study on microbiological profile of acute septic arthritis in children, initiated 2017, funded by Govt of NCT of Delhi.

Projects completed

Manchanda V., Baseline Assessment for *Streptococcus pneumoniae* of India Serotypes (BASIS), Initiated June 2015 – Dec 2017, Site PI, CNBC; funded by Bill Melinda Gates foundation.

Conferences organised

Manchanda V., Conducted workshop on “Staphylococcal phage typing” for final year M.D. (Microbiology) students of Delhi University on 12.01.2017.

Manchanda V., Organised Training Program on External Quality Assessment for HIV Testing for laboratory technicians of linked HIV testing sites (ICTCs/PPTCTs). On 28.02.2017 & 17.03.2017.

Manchanda V., Organised two NACO-BD CD4 Good Laboratory Practices (GLP) training programs for Laboratory Technicians of CD4 testing laboratories nominated by NACO on 01-02 August 2017 and on 03-04 August 2017.

Manchanda V., Organised “Satellite Workshop on HIV testing” under IAMM-Delhi Chapter on 7th December 2017.

Manchanda V., Organised training programs on Biomedical Waste Management for Senior Residents, Junior Residents and Technical staff of Maulana Azad Medical College, New Delhi.

Manchanda V., Workshop of Hospital infection prevention and control – Implementation strategies at MAMC and associated hospitals. November 2017.

Conference Presentation

Kumar S., HISICON 2017, the IV National Conference of Hospital Infection Society - India, Gauhati Medical College and Hospital, Guwahati, Assam, from 9th to 11th Feb. 2017.

Kumar S., CME cum workshop on "Tackling Antimicrobial Resistance (AMR) in Clinical Practice", Department of Medical Microbiology & Antimicrobial Stewardship Committee PGIMER, Chandigarh, 28th, October, 2017 and Delhi Chapter, December 8-9, 2017

Kumar S., Microcon D-Con 2017, Annual conference, Indian Association of Medical Microbiologists,.

Manchanda V., Microscopy in infectious diseases- Recent advances in staining and techniques. MICRO-D-CON 2017, December 2017

Manchanda V., Moderator for session of pediatric infectious diseases- Pneumonia, meningitis and encephalitis, IAMM, MICROCON Nov. 2017

Manchanda V., Surveillance of antimicrobial resistance and antibiotic use , DSPRUD, Delhi, Nov. 2017

Manchanda V., Molecular diagnosis: heralding the end of 'culture' era. IAP NCPID, Bengaluru, Oct. 2017

Manchanda V., How to measure success of ASP? IAP NCPID, Bengaluru, Oct., 2017

Manchanda V., MDR microbes a Biothreat challenge: Prevention and management. Specialized training Course on CBRN emergency Management for Medical Officers, INMAS, Delhi, February, 2017, October 2017

Manchanda V., Influenza virus : The villain, National Consultative Meeting on Influenza Sept., 2017

Manchanda V., PK/PD for the beginners. PG Assembly, SGRH, Delhi, August 2017

Manchanda V., Diagnosis and management guidelines for Chikungunya in paediatric patients. IAP ID Chapter, Hyderabad, June 2017

Manchanda V., Infection Control Practices – Preventing patients from hospital acquired liabilities, Shroff's Quality Center, Delhi. May 2017

Manchanda V., Making a case for Injection Safety in India. HISICON 2017, Guwahati Medical College, Guwahati, February 2017

Manchanda V., Implementing SSI Prevention Program in India. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017

Manchanda V., Unresolved issues in BMW-2016. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017

Manchanda V., Bio-threats and Bioterrorism - Past to Future. Workshop on Biosecurity, Containment Strategies and Laboratory safety. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017.

Gupta S, Manchanda V, Baveja CP, Sachdeva P. A study of incidence density and risk factors for surgical site infection (SSI) in lower segment caesarean section surgeries (LSCS) of tertiary care hospital of North India. IAMM Delhi , AIIMS, 2017.

Yadav A, Manchanda V, Faria Hasan F, PS Bhandari PS, Baveja CP. Impact of implementation of Levine technique for specimen collection from wounds in burns patients. IAMM Delhi , AIIMS, 2017.

Saigal K, Manchanda V, Deepika, Saikia D, Manoharan A and Balaji V. Childhood pneumococcal disease: Disease burden, Serotype distribution, Clinical outcome, Antimicrobial resistance profile for invasive pneumococcal strains with its impact on Vaccine introduction in Indian setup. IAMM Delhi , AIIMS, 2017.

Other Inter-institutional collaborations

Project in collaboration with IIT-Delhi.

Students under exchange program

Short term training was provided to several students of the courses B.Sc. (Biotechnology and Biomedical sciences), B. Tech (Biotechnology), MLT students from other institutions from University of Delhi and other Universities

Extension and outreach activities

Dr. C.P. Baveja & Dr. Rohit Chawla: The HIV laboratory has been identified as one of the laboratories by National AIDS Control Organization to conduct Dried Blood Spot (DBS) Testing as part of HIV and HCV Sentinel Surveillance. The undersigned supervised the testing of close to 7,000 samples, received from various sites in the Bihar, Uttarakhand & Madhya Pradesh, as part of HIV sentinel surveillance- 2017. The data generated by the laboratory would be used to estimate the burden of HIV infection in the country.

Number of M.Phil/ Ph.D degrees awarded: 2 Ph.D

Faculty strength : 7

MICROBIOLOGY (UCMS)

Major Activities and Achievements

The Department of Microbiology, UCMS & GTB Hospital conducted two IAMM – DC workshops and under the programme of NABH Safe I antibiotic policy was framed. Department of Microbiology conducted a Mycology PG training programme for all 3rd year post graduate students under Delhi University. During the year 2018 as a part student festival a Poster competition & Gender champion debate was held under ICC Sexual harassment Act March 2018 where many students participated and awardees received cash prize. Various Faculty members of the Department also attended NABH Safe I certification programme. The faculty was invited as speaker in various conferences and Senior Residents attended various workshops and training with special reference to Infection Control, Quality Management and Bio-Medical Waste Management.

Awards/Honours

Dr. N.P Singh President, IAMM-Delhi Chapter 2017

Dr. Rituparna Saha (MD Student): MAMC award for best oral presentation on ‘Glycopeptide resistance and virulence genes in Enterococcus spp causing UTI: A cause of concern,’ Micro-D-Con 2017.

Dr. Shukla Das, (MD student): Sanjay Sardana Memorial award for best paper on Immunology on Chronic dermatophytosis: Correlation of fungal virulence and host immunity, presented at IAMM –Dec 2017.

Dr. Bineeta Kashyap (Dr. Neha Gupta, MD Student): Best Free Poster Award for presenting “Clinical spectrum of pediatric tuberculosis: a microbiological correlation” in Indian Association of Medical Microbiologists–Delhi Chapter 9th Annual Conference (7th to 9th December 2017) at India Habitat Center, New Delhi, with the theme “Current trends in Microbiology: meeting the Challenges”, MICRO-D-CON 2017.

Dr. Aditi, presented with Mr. Satish Chandra Talwar Memorial Award for best published research paper at Micro-D-Con 2017.

Publications

Aditi, Shariff, M., & Beri, K. (2017). Exacerbation of bronchiectasis by *Pseudomonas monteilii*: A case report. *BMC Infect Dis.*, 17(1), 1-4.

- Aditi, Shariff, M., Chhabra, S.K., & Rahman, M.U. (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66(10), 1489-1498.
- Aggarwal, P., & Kashyap, B. (2017). A study to compare and classify etiological agents of onychomycosis. *INJMS*, 8,150-154.
- Dar, S.A., Rai, G., Ansari, M.A., Akhter, N., Gupta, N., Sharma, S., Haque, S., Ramachandran, V.G., Wahid, M., Rudramurthy, S.M., Chakrabarti, A., & Das, S. (2017). FcεR1α gene polymorphism shows association with high IgE and anti-FcεR1α in chronic rhinosinusitis with nasal polyposis. *J Cell Biochem*, 119(5), 4142-4149.
- Das, S., Pandhi, D., Rai, G., Ansari, M.A., Gupta, C., Haque, S., & Dar, S.A. (2017). Challenges in culture-negative cases of madurellamycetomatis: A case report re-accentuating PCR as an essential diagnostic tool. *J Mycol Med*, 27(4), 577-581.
- Goyal, N., Kashyap, B., Singh, N.P., Kaur, I.R. (2017). Comparative diagnostic utility of neopterin and IFN-γ/IL-2 in extrapulmonary tuberculosis. *Indian J ClinBiochem*, 32(4), 453-458.
- Goyal, N., Kashyap, B., Singh, N.P., & Kaur, I.R. (2017). Neopterin and oxidative stress markers in the diagnosis of extrapulmonary tuberculosis. *Biomarkers*, 22(7), 648-653.
- Gupta, P., Narang, M., Gomber, S., & Saha, R. (2017). Effect of quinine and artesunate combination therapy on platelet count of children with severe malaria. *PaediatrInt Child Health*, 37(2), 139-143.
- Jain, A.K., Jaggi, K.R., Bhayana, H., & Saha, R. (2018). Drug-resistant spinal tuberculosis. *Indian JOrthop*, 52, 100-107.
- Jain, C., Das, S., Rumpa, S., Ramachandran, V.G., Bhattacharya S.N., & Sajad Dar, S. (2017). Detection of phospholipase production by EGG Yolk-Agar in *Malassezia* isolates from diseased and healthy human host. *IJMSPH*, 6(5), 1-4.
- Jain, C., Das, S., Saha, R., Ramachandran, V.G., Bhattacharya, S.N., & Dar, S. (2017). *Malassezia* yeast and cytokine gene polymorphism in atopic dermatitis. *J Clin Diagn Res*, 11(3), DC01-DC05.
- Jain, S., Arora, S., Saha, S., & Kaur, I. R. (2017). *Serratia plymuthica*: A community-acquired uropathogen. *Indian J Med Sci*, 69(1), 31-32.
- Jakhar, S.K., Pandey, M., Shah, D., Ramachandran, V.G., Saha, R., Gupta, N., & Gupta, P. (2018). Etiology and risk factors determining poor outcome of severe pneumonia in under-five children. *Indian J Peadtr*, 85(1), 20-24.
- Jamir, S.T., Rumpa, S., Ramachandran, V.G., Shukla, D., Pooja. D., & Shah D. (2017) Conventional and copro-antigen detection methods in the diagnosis of intestinal campylobacteriosis in children. *BAOJ Gastro*. 1, 002.
- Kashyap, B., Das, S., Sagar, T., & Gupta, K. (2017). Current scenario of geriatric fungal infections: A prevalence study from a tertiary care hospital. *J Indian Academy Geriatrics*, 13,156-161.
- Kashyap, B., Goyal, N., Das, G.K., Singh, N.P., & Kaur, I.R. (2018). Ophthalmic presentation of disseminated tuberculosis with relapse-immunological profile. *Ind J ClinBiochem*.<https://doi.org/10.1007/s12291-018-0741-2>
- Kashyap, B., Goyal, N., Singh, N.P., & Kaur, I.R. (2017). Diagnostic potential of circulating biomarkers in adenosine deaminase diagnosed pleural tuberculosis cases. *Ind J ClinBiochem*, 33(3), 334–340.
- Kashyap, B., Gupta, K., Gomber, S., Gupta, N., Bhardwaj, A., Singh, N.P., & Kumar, A. (2017) Hand hygiene compliance among health care workers in pediatric oncology ward of a tertiary care hospital: a cross sectional observational study. *INJMS*, 8, 197-199.
- Kashyap, B., Tiwari, U., & Prakash, A. (2018). Hepatitis B virus transmission and health care workers: epidemiology, pathogenesis, and diagnosis. *Indian J Medical Specialties*, 9(1), 30-35.
- Kaur, I.R., Kashyap, B., Goel, N., Avasthi, R., Vaid, N., Arora, V., & Singh, N.P. (2017). Utility of PCR targeting IS6110 and MPT64 genes in the diagnosis of extrapulmonary tuberculosis. *INJMS*, 8, 139-145.
- Kaushik, S., Saha, R., Das, S., Ramachandran, V., & Goel, A. (2017). Pragmatic combination of available diagnostic tools for optimal detection of intestinal microsporidia. In: *Advances in Experimental Medicine and Biology. Advances in Microbiology Infectious disease and public Health*, 1057, 85-94.

- Kumar, A., Kashyap, B., & Mehndiratta, A. (2017). Comparison of conventional and rapid methods for the detection of methicillin resistance in *Staphylococcus aureus* from blood cultures. *Trop J Med Res*, 20, 196-200.
- Kumar, A., Roy, P., Rai, G., Das, S., & Ansari, M.A. (2017). *Cyberlindnera fabianii* and *Wickerhamomyces anomalus* fungemia in newborns: An experience from a north Indian tertiary-care center. *INJMS*, 8(3), 131-133.
- Nirmal, K., Saha, R., Das, S., Ramachandran, V.G., & Bhattacharya, S.N. (2017). Prevalence of sexually transmitted infections among attendees of a tertiary health facility in north India: a hospital based study. *Int J Clin Diag Res*, 5(6), 2395-3403.
- Nirmal, K., Saha, R., Das, S., Ramachandran, V.G., & Khan, A.M. (2017). TORCH infections in antenatal women: a five year hospital based study. *East J Med Sci*, 2(4), 54-57.
- Nirmal, K., Saha, R., Ramachandran, V.G., Bhattacharya, S.N., Shukla, D., & Mogha, N. S. (2017). Multiple acquisitions of STIs: invitations to clinical care and summons to intangibles in laboratory diagnosis. *J Biomed Sci.*, 3(1), 3-10.
- Rai, G., Ansari, M.A., Dar, S.A., Datt, S., Gupta, N., Sharma, S., ... Das, S. (2018). Serum cytokine profile in patients with chronic rhinosinusitis with nasal polyposis infected by *aspergillus flavus*. *Ann. Lab. Med.*, 38(2), 125-131.
- Rai, G., Das, S., Ansari, M. A., Singh, P. K., Gupta, N., Sharma, S., Akhter, N., Ramachandran, V.G., Haque, S., Dar, S. A. (2018). Phenotypic and functional profile of Th17 and Treg cells in allergic fungal sinusitis. *Int J Immunopharmacol.*, 57, 55-61.
- Rai, G., Roy, P., Gupta, N., Sharma, S., Dar, S.A., Ansari, M.A., ... Das, S. (2017). Computed Tomography Score an Excellent Marker: Differentiates Eosinophilic and Non-eosinophilic Variants of Chronic Rhinosinusitis with Nasal Polyp. *Indian J Otolaryngol Head Neck Surg*, <https://doi.org/10.1007/s12070-017-1154-x>
- Roy, P., Das, S., Sharma, S., Girotra, V., Gupta, N., Saha, R., & Kaur, R. (2017). Revisiting the utility of histopathological examination of biopsy: A necessity in microbiology. *J Clin Diagn Res.*, 11(5), 6-18.
- Saha, R. (2017). Editorial: The confrontation of fungal sepsis in neonates. *Indian Pediatr*, 54, 542-543.
- Saha, R., Agarawal, S., & Khan, A.M. (2017). Air sampling procedures to evaluate microbial contamination: a comparison between active and passive methods at high risk areas in a tertiary care hospital at East Delhi. *J Patient Saf Infect Control*, 5(1), 18-23.
- Saha, R., Kaushik, S., Gupta, K., & Das, S. (2017). Human infection with *Hymenolepis diminuta*: first case report from north India. *J Gastrointest Infect*, 7(1), 36-37.
- Saha, R., Rani, M., Das, S., Sharma, A.K., & Kaur, I.R. (2017). Role of the facilitator in post graduate training programme: students' perspectives. *J Education Technol Health ci*, 4(1), 14-17.
- Saha, R., Roy, P., Das, S., Chatterjee, R., Kaushik, S., Ahir, M., Khan A.M., Ramachandran, V.G., & Mogha, N.S. (2017). Needle stick injury and health care workers: exposure and aftermath. *J Communicable Dis.*, 49(1), 14-20.
- Saha, R., Singal, A., Kaushik, S., & Das, S. (2017). Pentatrichomonas hominis in an immunosuppressed patient with enteric manifestations. *East J Med Sci.*, 2(2), 37-38.
- Singh, M., Singh, & A.K. (2017). Knowledge, attitude, practice study on awareness of antibiotic stewardship among health care professionals in a tertiary care hospital in delhi. *Int J Curr Microbiol*, 6(7), 238-245.
- Singh, N.P., Choudhary, D.D., Gupta, K., Rai S, Batra, P., Manchanda, V., Saha, R., & Kaur, I.R. (2018). Predictors for gut colonization of Carbapenem-resistant Enterobacteriaceae in neonatal intensive care unit. *Am J Infect Control*, 46, e31-e35.
- Singh, N.P., Rani, M., Gupta, K., Sagar, T., & Kaur, I.R. (2017). Changing trends in antimicrobial susceptibility pattern of bacterial isolates in a burn unit. *Burns*, 43, 1083-1087.
- Singh, T., Das, S., Ramachandran, V.G., Wani, S., Shah, D., Khan, A., Maroof, K.A., & Sharma, A. (2017). Distribution of integrons and phylogenetic groups among enteropathogenic *Escherichia coli* isolates from children. *Front Microbiol*. 8(561), 1-13.

Journals

Dr. Shukla Das, Member Editorial Board; Indian Journal of Medical Specialty

Dr. Shukla Das, Member Editorial Board; Journal of Communicable Diseases.

Dr. Rumpa, Member Editorial Board; Eastern Journal of Medical Sciences

Dr. Rumpa, Member Editorial Board; Journal of Gastrointestinal Infections,

Research Projects

Dr. Shukla Das, DBT, 2017-2020, "Investigation of mechanisms of emerging drug resistance in *Trichophyton* sp., the major causative agents of fungal skin infections", 20 Lacs.

Dr. Shukla Das, DBT, Completed 2017, Epidemiology, pathogenomics, and system biology of *A. flavus* infections in India - an integrative approach, 37 Lacs.

Dr. Shukla Das, DBT, Completed 2017, Antifungal susceptibility testing and genotyping of clinically isolated *Cryptococcus* strains from Delhi and other parts of India, 15 Lacs.

Dr. Shukla Das, DST, Completed 2017, Th17 and Treg cell differentiation and their in-vitro functional responses in *Pemphigus vulgaris*", 50 Lacs.

Seminars organised

Dr Urmi Bajpai, Associate Prof. Deptt of Biomedical Sciences, Acharya Narendra Dev College, University of Delhi, National Immunology Day, Delhi Chapter, on 3rd May 2018

Conference organised

Workshop on "Microscopic techniques in microbiology", UCMS & GTBH, Delhi, , under IAMM – DC. Oct. 2017.

Workshop on "Antibiotic Stewardship"; UCMS & GTBH, Delhi, under IAMM – DC. Dec. 2017.

9th Annual conference of IAMM-DC, Delhi, Micro-D-Con. Dec. 2017

Seminar/Conference presentations

Dr. NP Singh, Chairperson and Judge at UP-UK chapter of IATP, GMC Haldwani. May 2017

Dr. NP Singh, President, Chapter meets of Delhi Chapter of IAMM-DC 2017.

Dr. NP Singh, Speaker on Antimicrobial Stewardship at workshop, UCMS & GTBH. Oct. 2017

Dr. NP Singh, Judge for KB Sharma Junior Best Speaker Award at 41st Annual conference- IAMM/ Microcon 2017, RIMS, Ranchi

Dr. NP Singh, 9th Annual conference of IAMM-DC (Micro-D-Con Dec 2017)

Dr. NP Singh, Talk on Role of Microscopy as POC testing at IAMM-DC CME, IHC Delhi. Dec 2017

Dr. NP Singh, Chairperson at UP MICROCON 2018, 14th Annual Conference of UP & UK Chapter of IAMM, AMU

Aligarh. Feb. 2-3 2018

Dr. Shukla Das, Panel discussion at DAAS Summit, July 3rd, 2017.

Dr. Shukla Das, Speaker on "Antifungal susceptibility for dermatophyte is necessary for recalcitrant tinea, PGIMER Chandigarh. Sept. 2nd-3rd, 2017

Dr. Shukla Das, Gender sensitization of MBBS UG students, UCMS, Delhi. Sept. 8, 2017

Dr. Shukla Das, Speaker at GCCON, AIIMS Raipur. Sept. 16-17, 2017

Dr. Shukla Das, Talk on Blood culture in septicemia –clinical relevance at AAP Delhi, Sept. 24, 2017.

Dr. Shukla Das, Speaker at PATHCON on "Microscopy of body fluids", Delhi Nov. 2017.

Dr. Shukla Das, Gender sensitization of nursing students, UCMS, Delhi. Nov. 2017

Dr. Shukla Das, Chairperson at IAMM-DC on emerging fungal infection, IHC Delhi. Dec. 2017.

Dr. Shukla Das, Speaker at SIHAM on “Mucorales and diabetes- a complex interplay”, Bengaluru. 14th March, 2018

Dr. Rumpa Saha, Talk on “Role of MIC in better patient care” at UP MICROCON 2018, 14th Annual Conference of UP & UK Chapter of IAMM, AMU Aligarh. Feb. 2nd-3rd, 2018.

Dr. Rumpa Saha, Talk on “Polymyxin - new lessons on an old antibiotic” at ICCMID Course, 14th Annual Conference of Indian Society of Critical Care Medicine, Delhi. Sept. 1st, 2017.

Dr. Bineeta Kashyap, 3rd International Conference of Consortium of Accredited Health Care Organization (CAHOCON 2017) with the theme “Monitor, Measure and Improve” at New Delhi. April 14th-15th, 2017.

Dr. Bineeta Kashyap, 4th International Sepsis Congress 2017 APCC Critical Care Academy, an International conference on Management of Infections in Critically ill, Infection Control & Tropical Infections, at Delhi. Oct. 27th - 28th 2017.

Other Inter-Institutional Collaboration

Collaboration with IGIB, Delhi for DBT project “Investigation of mechanisms of emerging drug resistance in *Trichophyton* sp., the major causative agents of fungal skin infections”.

Extension and outreach activities

Imparted training to lab technicians of attached ICTC to our SRL HIV laboratory.

Training for technicians from other hospitals on Microscopic techniques in microbiology in Oct. 2017

Conducted a Mycology PG training programme for all 3rd year post graduate students under Delhi University, Jan 2018.

Number of M.Phil/Ph.D degrees awarded

Ph.D – 01

Faculty Strength – 05

Other significant Information

Dr. N.P. Singh, Executive Member, IAMM (National body)

MICROBIOLOGY (VPCI)

Major Activities and Achievements

Department of Microbiology at VP Chest Institute is actively involved in diagnostics, teaching and research. A number of diagnostics pertaining to Bacteriology, Anaerobic bacteriology, Mycobacteriology, Virology & Mycology are being carried out. Higher end facilities like gene-expert, MGIT, Gene sequencer and MALDI-TOFF are available for identifying the pathogens. Research in drug resistance profiling and molecular characterization and typing of bacterial pathogens including *M. tuberculosis* isolates, Ethambutol resistance mechanisms, role of efflux pumps in drug resistance of *M. tuberculosis*, newer diagnostic techniques are actively pursued. Study on drug resistance to various fungal pathogens and the Environmental fungi were also studied. Virology is actively involved in influenza virus diagnostics and viral research. Major focus of laboratory is antiviral research and Vaccines development against influenza and chikungunya virus. About 3747 (Bacteriology), 973 (Serology), 91 (Anaerobic), 10,000 (Mycobacteriology), 4906 (Mycology), 76 (Virology) clinical specimens were processed in the routine diagnostic laboratory.

Honours/Distinctions

Dr. Mandira Varma Basil:

Astha Giri (PhD student), Best free poster award for Title: Mutations in Rv3805c (aftB): A probable cause of high-level ethambutol resistance in clinical isolates of *Mycobacterium tuberculosis*

Travel Award, 38th Annual Congress of European Society of Mycobacteriology, Funding Agency: By the Organisers of Conference, Sibenik, Croatia

ICMR Travel Award: Poster presentation" Rv0089: Does it Have a Role in Growth and Pathogenesis of M. tuberculosis?, Federation of European Microbiological Society, Valencia, Spain, July 9th-13th, 2017

Dr. Madhu Khanna

Travel Award (Registration & Accommodation) for 5th ISIRV-AVG, Shanghai, China Conference . June 14th-16th, 2017.

ESCMID observership at University Medical Center Groningen (UMCG), Groningen, Netherlands. Nov. 20th-27th, 2017.

Dr. Anuradha Chowdhary

Dr Y. S. Narayana Rao Oration Award for sustained research in Microbiology, 2017.

Women Achiever Award in health care at International women's week, Amity University, Noida, March 5th-9th, 2018.

Publications

Aditi, Shariff, M., & Beri, K. (2017). Exacerbation of bronchiectasis by *Pseudomonas monteilii*: a case report. *BMC Infectious diseases*, 17(511), [https://DOI 10.1186/s12879-017-2600-9](https://doi.org/10.1186/s12879-017-2600-9).

Aditi, Shariff, M., Chhabra, S.K., & Rahman, M., (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66, 1489-1498.

Arendrup, M. C., Prakash, A., Meletiadis, J., Sharma, C., & Chowdhary, A. (2017). Comparison of EUCAST and CLSI reference microdilution MICs of eight antifungal compounds for *Candida auris* and associated tentative epidemiological cutoff values. *AAC*, 61(6), e00485-17.

Ashu, E.E., Hagen, F., Chowdhary, A., Meis, J.F., & Xu, J. (2017). Global population genetic analysis of *Aspergillus fumigatus*. *MSphere*, 2(1), e00019-17.

Chaudhary, J., Shariff, & M., Deb. (2017). Evaluation of polymerase chain reaction for direct detection of *Streptococcus pneumoniae* in clinical samples and antimicrobial susceptibility of the isolates. *IJRHS*, 5(4), 43-48.

Chaudhry, R., Valavane, A., Sreenath, K., Choudhary, M., Sagar, T., Shende, T., ... Thakur, B. (2017). Detection of mycoplasma pneumoniae and legionella pneumophila in patients having community-acquired pneumonia: a metacentric study from New Delhi, India. *Am J Trop Med Hyg*, 97(6), 1710-1716.

Chowdhary, A., Hagen, F., Sharma, C., Al-Hatmi, A.M.S., Giuffrè, L., Giosa, D., ... Romeo, O. (2017). Whole genome-based amplified fragment length polymorphism analysis reveals genetic diversity in *Candida africana*. *Front Microbiol*, 8, 556.

Chowdhary, A., & Meis, J.F. (2018). Emergence of azole resistant *Aspergillus fumigatus* and one Health: time to implement environmental stewardship. *Environ Microbiol*. 20, 1299-1301.

Chowdhary, A., Prakash, A., Vaezi, A., Dannaoui, E., Meis, J.F., & Badali, H. (2017). *In-vitro* interactions of echinocandins with triazoles against multidrug-resistant *Candida auris*. *Antimicrob Agents Chemother*, 61, e01056-17.

Chowdhary, A., Sharma, C., & Meis, J.F. (2017). Azole-resistant Aspergillosis: epidemiology, molecular mechanisms, and treatment. *J Infect Dis*. 216, S436-S444.

Chowdhary, A., Sharma, C., & Meis, J.F. (2017). *Candida auris*: A rapidly emerging cause of hospital-acquired multidrug-resistant fungal infections globally. *PLOS one*, 13(5), e1006290.

Defosse, T.A., Le Govic, Y., Vandeputte, P., Courdavault, V., Clastre, M., Bouchara, J.P., ... Papon, N. (2018). A synthetic construct for genetic engineering of the emerging pathogenic yeast. *Candida auris*. *Plasmid*, 95, 7-10.

Espinel-Ingroff, A., Abreu, D.P.B., Almeida-Paes, R., Brilhante, R.S.N., Chakrabarti, A., Chowdhary, A., ... Turnidge, J. (2017). Multicenter, international study of MIC/MEC distributions for definition of epidemiological cutoff values for *Sporothrix* species identified by molecular methods. *Antimicrob Agents Chemother*, 61(10), e01057-17.

Espinel-Ingroff, A., Turnidge, J., Alastruey-Izquierdo, A., Dannaoui, E., Garcia-Effron, G., Guinea, J., Kidd, S., Pelaez, T., ... Tortorano, A.M. (2018). Posaconazole MIC distributions for *Aspergillus fumigatus* species complex by four methods: Impact of *cyp51a* mutations on estimation of epidemiological cutoff values. *Antimicrob Agents Chemother*. 62(4), e01916-17.

- Giri, A., Gupta, S., Safi, H., Narang, A., Shrivastava, K., Sharma, N. K.,...Varma-Basil, M. (2018). Polymorphisms in Rv3806c (ubiA) and the upstream region of embA in relation to ethambutol resistance in clinical isolates of Mycobacterium tuberculosis from North India. *Tuberculosis (Edinb)*, 108, 41-46.
- Gupta, T., Shariff, M., & Thukral, S. S. (2017). Identification of Amp C B-lactamase- producing clinical isolates of Escherichia coli. *Asian J Pharm Clin Res*, 10(12), 357-361.
- Joon, D., Nimesh, M., Varma-Basil, & M., Saluja, D. (2017) Evaluation of improved IS6110 LAMP assay for diagnosis of pulmonary and extra pulmonary tuberculosis. *J Microbiol Meth*, 139, 87-91.
- Khurana, A., Chowdhary, A., Sardana, K., Gautam, R.K., & Sharma, P.K. (2018). Complete cure of Fusarium solani sp. complex onychomycosis with Qs NdYAG treatment. *Dermatol Ther*. 31(2), e12580.
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- Seidel, D., Durán, G., raeff, L.A., Vehreschild, M.J.G.T., Wisplinghoff, H., Ziegler, M., ... Cornely, O.A. (2017). FungiScope™ -global emerging fungal infection registry. *Mycoses*, 60, 508-516.
- Sharma, C., & Chowdhary, A. (2017). Molecular bases of antifungal resistance in filamentous fungi. *Int J Antimicrob Agents*. 50, 607-616.
- Sharma, C., Kumar, R., Kumar, N., Masih, A., Gupta, D., & Chowdhary, A., (2018). Investigation of multiple resistance mechanisms in voriconazole-resistant Aspergillus flavus clinical isolates from a chest hospital surveillance in Delhi, India. *Antimicrob Agents Chemother*, 62(3), e01928-17.
- Singh, A., Masih, A., Khurana, A., Singh, P.K., Gupta, M., Hagen, F., Meis, J.F., & Chowdhary, A.(2018) High terbinafine resistance in Trichophyton interdigital isolates in Delhi, India harboring mutations in the squalene epoxidase gene. *Mycoses*, 61(7):477-484.
- Singh, P., Sinha, R., Tyagi, G., Sharma, N.K., Saini, N.K., Chandolia, A., ... Bose, M. (2018). PDIM and SL1 accumulation in Mycobacterium tuberculosis is associated with mce4A expression. *Gene*, 642, 178-187.
- Srivastava, S., Bimal, D., Bohra, K., Singh, B., Ponnann, P., Jain, R., ... Prasad, A. K. (2018). Synthesis and antimycobacterial activity of 1-(β-d-Ribofuranosyl)-4-coumarinyloxymethyl-/coumarinyl-1, 2, 3-triazole. *Eur J Med Chem*, 25, 268-281.
- Tyagi, G., Singh, P., Varma-Basil, M., & Bose, M. (2017). Role of Vitamins B, C, and D in the fight against tuberculosis. *Int J Mycobacteriol*. 6(4), 328-332.
- Varma-Basil, M., & Nair, D. (2017). Molecular epidemiology of tuberculosis. Opportunities & challenges in disease control. *Indian J Med Res.*, 146(1), 11-14.
- Walia, K., Chowdhary, A., Ohri, V.C., & Chakrabarti, A. (2017). Multidrug-resistant Candida auris: Need for alert among microbiologists. *Indian J. Med. Microbiol*. 35(3), 436.

Journals

Dr. Anuradha Chowdhary, Member Editorial Board, Journal of Clinical Microbiology

Dr. Anuradha Chowdhary, Editor, mBio, American Society of Microbiology

Dr. Anuradha Chowdhary, Editor, Medical Mycology, International Society of Human & Animal Mycology, ISHAM

Dr. Anuradha Chowdhary, Member Editorial Board, Journal of Hospital Infection

Research Projects

Dr. Malini Shariff, ICMR, 2017-2020, "Isolation and Characterization of Anaerobic Bacteria causing Lower Respiratory Tract Infections in Patients attending VP Chest Institute, Delhi".

Dr. Mandira Varma, ICMR, 2014-2017, "Phenotypic and Genotypic Indicators of drug resistant tuberculosis: Can they be used as early warning systems for MDR and XDR tuberculosis?"

Dr. Mandira Varma, DST and CSIR, 2014-2017, "Point of care diagnostic assay for tuberculosis"

Dr. Madhu Khanna, AYUSH, 2014-2019, "Evaluation of antiviral activity of medicinal plants against influenza A virus", 25.23 Lakhs

Dr. Madhu Khanna, DST-SERB, 2016-2019, "Aptamer-mRNA Chimera-The Next Generation RNA Vaccine", 39 Lakhs

Dr. Anuradha Chowdhary, ICMR, 2017-2020, "Multilocus microsatellite typing and antifungal profile of clinical *Cryptococcus neoformans* species complex isolated from patients of cryptococcosis".

Conferences organised

Dr. Madhu Khanna, 12-13 October 2017, National Workshop on "Advancement in Immunology Society" Department of Microbiology, VPCI, Delhi.

Seminars/Conferences presentation

Prof. Madhu Khanna, Talk on Suramin, A potent ameliorating agent to inhibit influenza A virus replication at ISIRV Antiviral Group, 5th isirv-AVG Conference Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions, Shanghai, China. June 14th-16th, 2017,

Prof. Madhu Khanna (Mrs. Nishtha Agarwal), Poster presentation on Profile of antibody responses and duration of protection against seasonal influenza following vaccination of the elderly in India at ISIRV Antiviral Group, 5th isirv-AVG Conference Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions. , Shanghai, China June 14th-16th, 2017,

Dr. Anuradha Chowdhary, Poster presentation on "Multigene phylogeny and matrix-assisted laser desorption ionization time-of-flight mass spectrometry identification of indian clinical isolates of *Pseudallescheria/Scedosporium* Spp. complex and their susceptibility patterns at ASM Microbe, New Orleans, USA. June 1st-5th, 2017

Dr. Anuradha Chowdhary, Poster presentation on "In vitro activity of the new azole luliconazole and eleven other antifungal drugs against molecularly characterized clinical *Fusarium* isolates" at ASM Microbe, New Orleans, USA. June 1st-5th, 2017.

Dr. Anuradha Chowdhary, Talk on "Candida auris: from ear colonisation to fungemia" at 8th Trends in Medical Mycology, Belgrade, Serbia. Oct. 6th-9th, 2017

Dr. Anuradha Chowdhary, Talk on "Global epidemiology of azole resistance in *Aspergillus*" at 8th Advances Against *Aspergillus*, Lisbon, Portugal. Feb. 1st-3rd, 2018

Dr. Anuradha Chowdhary, Poster presentation on "Multiple resistance mechanisms in both clinical and environmental azole resistant *Aspergillus fumigatus* isolates in India", at 8th Advances Against *Aspergillus*, Lisbon, Portugal. Feb. 1st-3rd, 2018.

Dr. Malini Shariff: Chairperson in 4th Biennial Conference of PAi and International Symposium on "Probiotic Therapy: Translating to Health and Clinical Practice" at AIIMS, New Delhi, India. Feb. 16th -17th, 2018

Dr. Malini Shariff: IAMM Delhi Cpt CME on "Microscopy to Microarray: Reducing time to diagnosis", India Habitat Centre. Dec. 8th, 2017

Inter-institutional collaboration

Dr. Anant Mohan, AIIMS

Dr. AC Banerjee, NII

Number of PhD/M.Phil Awarded: 1

Faculty strength: 4

NEONATOLOGY (LHMC)

Honours. Awards

Datta V, President of NQOCN, India

Publications

Datta, B. V., Kumar, A., & Yadav, R. (2017). A randomized controlled trial to evaluate the role of brief delay in cord clamping in preterm neonates (34–36 weeks) on Short-term Neurobehavioral Outcome. *Journal of tropical pediatrics*, 63(6), 418-424.

Datta, V., Saili, A., Goel, S., Sooden, A., Singh, M., Vaid, S., & Livesley, N. (2017). Reducing hypothermia in newborns admitted to a neonatal care unit in a large academic hospital in New Delhi, India. *BMJ Open Qual*, 6(2), e000183.

Datta, V. (2017). Therapeutic hypothermia for birth asphyxia in neonates. *The Indian Journal of Pediatrics*, 84(3), 219-226.

Dubey, B., Choudhary, A., Nangia, S., Sharma, S., Kumar, M. (2017). Effect of timing of umbilical cord clamping on neuro-developmental outcomes at 6-8 weeks of life in healthy term neonates. *Ind J Trauma Em Ped*, 9(1), 9-14.

Goel, A., & Nangia, S. (2017). Meconium aspiration syndrome: challenges and solutions. *Research and Reports in Neonatology*, 7, 19-28.

Kumari, S., Datta, V., & Rehan, H. (2017). Comparison of the efficacy of oral 25% glucose with oral 24% sucrose for pain relief during heel lance in preterm neonates: a double blind randomized controlled trial. *Journal of tropical pediatrics*, 63(1), 30-35.

Nanda, D., Thukral, A., & Nangia, S. (2017). Case 1: Intramuscular Hematoma in a Neonate in the Nursery. *NeoReviews*, 18(4), e240-e242.

Nanda, D., Bandiya, P., Nangia, S., Berry-Kravis, E. (2017). Unexplained Hypercarbia in a Neonate in the Neonatal Intensive Care Unit. *Neo Rev* 11, e668-e670.

Nangia, S., Bishnoi, A., Goel, A., Mandal, P., Tiwari, S., & Saili, A. (2017). Early total enteral feeding in stable very low birth weight infants: A before and after study. *Journal of tropical pediatrics*, 64(1), 24-30.

Nangia, S. (2017). Reply to Letter: Endotracheal suctioning for meconium stained babies. *Resuscitation*, 113, e19.

National Human Milk Bank Guidelines. (2017) - Operational Guide for Human Milk banking and Lactation Management, *LHMC*, 1-32.

Neogi, S. B., Singh, S., Pallepogula, D. R., Pant, H., Kolli, S. R., Bharti, P., ... & Kinra, S. (2017). Risk factors for orofacial clefts in India: A case–control study. *Birth defects research*, 109(16), 1284-1291.

Patel, J. N., Kumar, A., Yadav, P. S., Chadha, R., Datta, V., & Choudhury, S. R. (2018). The position of the anal dimple in newborns and infants with anorectal malformations and its correlation with the normal anal position. *Journal of pediatric surgery*, 53(8), 1560-1565.

Journals

Datta V, Member Editorial Board, Indian Journal of Pediatrics

Dubey B, Member Editorial Board, Indian Journal of Trauma & Emergency Pediatrics.

Dubey B, Member Editorial Board, Pediatric Education & Research

Research Projects

Nangia S, DBT-Wellcome Trust, 2017, “Evaluating the efficacy and safety of an innovative and affordable Goat Lung Surfactant for the treatment of respiratory distress syndrome in preterm neonates: a multi-site randomized clinical trial” Rs. 1,00,00,000/-

Nangia S, MoHFW, Govt. of India, “National Collaborative Centre for Facility Based Newborn Care “

Seminar/Conferences organised

Dubey B., Recent advances in neonatal sepsis in association with KSCH at SJ Auditorium, LHMC, Delhi. Feb. 26th, 2017.

Dubey B., Quality improvement strategies for optimizing neonatal health care delivery in association with USAID and KSCH at KSCH. March 5th, 2017.

Dubey B., Comparing methods for assigning cause of death by verbal autopsy in association with ICMR at KSCH. Feb. 2nd, 2017.

Dubey B., Symposium on CHD (Patent Ductus Arteriosus) in association with Department of Pediatrics at LT, KSCH. March 25th, 2017.

Dubey B., Quality improvement strategies for optimizing neonatal health care delivery for mentors in association with QI CELL KSCH at LT, KSCH. Oct. 28th-29th, 2017.

Datta V., Presentation in “QI Workshop” at Pedicon, Nagpur, 2018.

Nangia S., Saili A., National Human Milk Bank Opening at SJ auditorium & Human Milk Bank, Department of Neonatology, LHMC. June 7th, 2017.

Nangia S., FBNC training at Jammu medical college, NHM & UNICEF. Jan. 27-30, 2018.

Nangia S., NSSK module finalization consultation at SIHFW, NCC-NIPI-MoHFW, Jan 19-20, 2018.

Nangia S., FBNC training at VABH, NHM & UNICEF, UP, 28 Feb-3Mar, 2018; 24 Mar-27 Mar 2018; 5 May-8 May 2017; 22 Sept-24 Sept 2017; 9 Oct-12 Oct 2017; 3 Nov-6 Nov 2017.

Nangia S., Breast feeding seminar EBM& Human milk bank at KSCH, Department of Neonatology, LHMC. August 2nd, 2017.

Datta V., Workshop on “Nurse Mentor QI workshop”. Oct. 28th-29th, 2017.

Datta V., Conference on “Coaching Tot for Qi Coaches”. Nov. 10th, 2017.

Datta V., Conference on “Forum of QI Facilities across India”. Dec 17th-18th, 2017.

Seminar/Conference Presentations

Nangia S., Invited as Expert on National Child Health Review cum Workshop 2017 at Ashoka, New Delhi, Child Health Division, MoHFW, GOI. Oct. 10th-11th, 2017.

Nangia S., Invited as Expert on National Consultation on Still birth surveillance at Hyatt Regency, New Delhi, Child Health Division, MoHFW, GOI. July 21st-22nd, 2017.

Nangia S., Invited as Expert on Development of Advanced Skill lab module at Aerocity, Delhi, Maternal Health Division, MoHFW, GOI. April 12th, 2017.

Nangia S., Partners collaborative meeting held at Bangkok, Thailand, FK Norway. Feb. 5th-10th, 2018.

Nangia S., Pediatric Academic Societies held at San Francisco, USA, Pediatric Academic Societies, USA. May 5th-8th, 2017.

Nangia S., KMC Acceleration Partnership Community of Practice: Africa Regional Workshop held at Blantyre Malawi, Africa, Save the Children & USAID. Oct. 24th-26th, 2017.

National/International MoUs signed

Nangia S., MoU with Oslo University Hospital, Oslo, Norway and Lady Hardinge Medical College, New Delhi, India

Student under exchange programme

Nurses and Residents (4 per year) on exchange programme to Oslo University Hospital, Oslo, Norway

Other significant information

Inauguration of National Human Milk Bank at LHMC, June, 2017

Inauguration/opening of Milk kitchens at SSKH & KSCH, Nov. 2017

OBSTETRICS & GYNAECOLOGY (UCMS)

Major activities and achievements

Department of Obstetrics & Gynecology, UCMS & GTB Hospital is academically active despite heavy clinical load of running a 325 bedded department with a daily OPD attendance of 500-600 patients and delivery rate close to 20,000 per year. Despite this, the department has to its credit several publications in peer reviewed indexed journals. The department is actively involved in National programmes namely JSY, JSSK, Thalassaemia screening programme, PPTCT, PMSMY, LaQshaya and CAB. It regularly holds CMEs & Workshops for updating knowledge and skills of gynecologists. This year the office of AOGD was held by our Department and numerous academic and social activities were held under its banner. Faculty and residents have received several awards and prizes in various national conferences for best paper and poster presentations. The prestigious R.D. Pandit award for best thesis writing in Obstetrics and Gynaecology (awarded by FOGSI) has been won consecutively fifteen times by this department including year 2017–18.

Honours/Distinctions

Guleria K, Awarded Fellowship of Indian College of Obstetrics & Gynecology- FICOG at 61st All India Congress of Obstetrics & Gynaecology, Bhubaneswar, Odisha. Jan. 17th-21st, 2018.

Guleria K., Co-author (Dr Kumari Anukriti) - Gold Medal, First prize Theme papers at National “BOH- the Trilogy” FOGSI-AOGD conference. Aug. 19th-20th, 2017.

Guleria K., Co-author (Dr Saloni) – Dr Neera Aggarwal Gold Medal, First prize Theme papers at 39th Annual AOGD conference, IHC New Delhi. Nov. 18th-19th, 2017.

Gupta B., Corion award Junior category by FOGSI for paper titled: “Evaluation of biomarkers p16^{ink4a}/ki-67 in cervical cytology for diagnosis of cervical intraepithelial neoplasia”. at 61st AICOG Bhubaneswar. Jan. 17th-21st, 2018.

Gupta B., First prize for best paper in the Young Gyne oncologist category for paper titled: “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women” at Regional meeting of AGOICON, Aug. 2018.

Sandhya J., Gold Medal Best research presentation, Co-author (Dr Neetu Chaudhary) Effect of Yoga Therapy on 'Perceived Stress score' in low risk pregnancy: A randomized Controlled Trial at AOGD Conference 2017. Nov. 18th-19th, 2017.

Shalini R., Co-author (Dr Megha Singhania) Silver medal presented in the competition paper category titled “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women”, at Annual conference of AOGD, New Delhi. Nov. 18th-19th, 2017.

Sharma R., Awarded Dr. Suneeta Mittal's Gold Medal on Population Stabilization, 18-19th Nov., 2017

Sharma R., Awarded Late Dr. Pravin Mehta Training FOGSI Fellowship in Laparoscopy Award 2017 at 61st All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar. Jan. 17th-21st, 2018.

Sharma R., Awarded FOGSI – Imaging Science Award 2017. “Evaluation of Myometrial thickness at different gestations for prediction of labour in Preterm premature rupture of membranes” at 61st All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar, 17-21 Jan., 2018.

Singh A., Silver Medal (Dr. Ganguli theme topic prize at 24th Annual Conference of NARCHI, New Delhi for “Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcomes”. Oct. 29th-30th, 2017.

Singh A., Bronze Medal (Dr. Ganguli theme topic prize) as a co-author at 24th Annual Conference of NARCHI, New Delhi for, “To assess the role of VEGF and PIGF in threatened abortion cases :a case control study”. 29-30 Oct., 2017

Singh A., Gold Medal for Best Poster at 39th Annual conference of Association of Obstetrician and Gynaecologist of Delhi for “Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcome”. Nov. 18th-19th, 2017.

Publications

Agarwal, R., Shruthi, R., Radhakrishnan, G., & Singh, A. (2017). Evaluation of dehydroepiandrosterone supplementation on diminished ovarian reserve: a randomized, double-blinded, placebo-controlled study. *The Journal of Obstetrics and Gynecology of India*, 67(2), 137-142.

- Bhartiya, V., Singh, A., Chauhan, D., & Srivastava, H. Diagnostic Dilemma and Challenges in Management in a Case of Immune Thrombocytopenic Purpura in Pregnancy and Review of Literature. *Int J Sci Stud*, 5(11), 173-175.
- Chawla, S., Jain, S., Kaur, L., Gupta, B., Rajaram, S., & Goel, N. (2017). Giant Fibroepithelial Polyp: A Rare Tumour of Vulva. *Indian Journal of Gynecologic Oncology*, 15(2), 27.
- Guleria, K., Singh, A., & Jain, S. (2017). Evaluation of Risk Factors, Triggers, and Maternal Early Warning System to Predict Obstetric Morbidity in Low Resource Country. *Chest*, 152(4), A581.
- Gupta, B. Contraception in Lactating Mothers (Swine Flu (H1N1)). In Kriplani, A., Sharma, J. B. and Singhal, S. (Eds.). New Delhi.
- Gupta, B. Contraception in Lactating Mothers. (2017). In Kriplani, A., Sharma, J.B and Singhal, S. Gupta, B. Placental Adhesive Disorders. Singapore: Sharma, A. (Eds.). New Delhi.
- Gupta, B., Chawla, S. (2017). In Post graduate manual of obstetrics and gynecology for practical examinations. Goel, N., Rajaram, S., Jain, S., and Mehta, S. (Eds.). Delhi.
- Gupta, B., & Rajaram, S. (2018). Preparation for Vaginal Hysterectomy: History, Preoperative Assessment, Operative Set-up, Table, Antibiotics. In *Hysterectomy* (pp. 1363-1372). Springer, Cham.
- Gupta, B., Sharma, T. Clinical Obstetrics Algorithms-Evidence Based Management. Delhi: Kriplani, A and Sharma, A.
- Jain, S., & Bhartiya, N. (2018). Positive effects of antenatal yoga on pregnancy outcomes. *Indian Obstetrics and Gynaecology*, 7(4).
- Jain, S., Bhartiya, N. (2017). *Long Standing Reversible Contraceptives*. In Kriplani, A., Sharma, J. B. and Singhal, S. (Eds.). New Delhi.
- Jain, S., Gupta, V. (2017). Immunization in pregnancy. New Delhi: Goel, N., Rajaram, S., Jain, S and Mehta, S.
- Jain, S., Srivastava, A., Singla, S. (2017). Drugs. In Goel, N., Rajaram, S., Jain, S and Mehta, S. (Eds.) New Delhi.
- Kar, R., Chawla, D., Gupta, B., Mehndiratta, M., Wadhwa, N., & Agarwal, R. (2017). Establishment of Primary Cell Culture From Ascitic Fluid and Solid Tumor Obtained From Epithelial Ovarian Carcinoma Patients. *International Journal of Gynecological Cancer*, 27(9), 2000-2005.
- Khatuja, R., Singla, A., Goel, N. (2017). Prescription Writing. In Goel, N., Rajaram, S., Jain, S., and Mehta, S. (Eds.). Delhi.
- Mehta, S., Singla, A. (2017). Colposcopy in Pregnancy. In Mehta, S and Sachdeva, P. (Eds.). Singapore.
- Mehta, S., & Singla, A. (2018). Vaginal Total Hysterectomy in Benign Indications: Hysterectomy Techniques with Bipolar Diathermy System. In *Hysterectomy* (pp. 1429-1441). Springer, Cham.
- Mehta, S., Singla, A., Saini, J., Kumar, T. (2017). A rare case of Aplasia cutis congenita. *IJNMR*, 5(4), 01-02.
- Mehta, S., Singla, A., Sinha, S., & Grover, A. (2017). Long Cord: A Knotty Affair. *Journal of clinical and diagnostic research: JCDR*, 11(5), QJ01.
- Mittal, P., Srivastava, H., Rajaram, S., Goel, N., Madhu, S. V., Faridi, M. M. A., Bhartiya, V. (2017). Effect of vitamin D supplementation in pregnancy on maternal and neonatal outcome: A double-blind randomized controlled trial. *International Journal of GynaecolObstet*, 3(1), 1-6.
- Rajaram, S., & Gupta, B. (2018). Indications and Contraindications of Vaginal Hysterectomy. In *Hysterectomy* (pp. 1355-1361). Springer, Cham.
- Rajaram, S., Jain, S., Gupta, V. (2017). Instruments. In Goel, N., Rajaram, S., Jain, S and Mehta S. (Eds.). New Delhi.
- Sharma, N., Singh, A., Radhakrishnan, G., Aggarwal, R., & Radhika, A. G. (2017). A Retrospective Analysis of Hysterolaparoscopy Findings of Unexplained Infertility Patients in a Tertiary Care Hospital. *International Journal of Scientific Study*, 5(1), 27-29.
- Sharma, R., Bhanupriya, V. B., Guleria, K., & Suneja, A. (2017). Hyperparathyroidism during Pregnancy-A Diagnostic and Therapeutic Challenge. *Journal of clinical and diagnostic research: JCDR*, 11(9), QD05.

- Sharma, R., Guleria, K., Suneja, A., Bhaskaran, S., & Tanveer, N. (2017). Giant leiomyoma with extensive myxoid degeneration in Mayer–Rokitansky–Küster–Hauser syndrome. *International Journal of Gynecology & Obstetrics*, 138(1), 125-127.
- Sharma, R., Gupta, R., Guleria, K., Suneja, A. (2017). Female Sterilization Failure reported during 5 Years at a Tertiary Care Teaching Hospital: A Retrospective Survey. *SAFOG*, 9(3), 245-249.
- Sharma, R., Radhakrishnan, G., Manchanda, S., & Singh, S. (2018). Umbilical coiling index assessment during Routine Fetal Anatomic Survey: A Screening Tool for Fetuses at Risk. *The Journal of Obstetrics and Gynecology of India*, 68(5), 369-375.
- Sharma, R., Radhakrishnan, G., Bhatia, M. S., Gupta, R., & Mehdiratta, A. (2018). Satisfaction and psychological after effects of legal abortion at a tertiary care teaching hospital of North India. *Journal of Obstetrics and Gynaecology*, 1-6.
- Sharma, R., Suneja, A., Yadav, A., Guleria, K. (2017). Plasmodium vivax induced Acute Respiratory distress – A diagnostic and Therapeutic dilemma in Preclampsia. *Journal Clin Diag Res*, 11 (4), QD03-QD04.
- Singh, A., Vats, G., Sharma, T., Shriya, R. (2017). Are preeclampsia and small for gestational age baby could be predicted by placental location. *International Journal of Reprod Contracept Obstet Gynecol*, 6, 5568-71.
- Singh, A., Verma, A.M., Srivastava, A., Sharma, T., Sundaram. (2018). Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcomes. *IJOGR*, 5(1).
- Singh, Dr., Jain, S. (2018) Lost and found: Copper-T in the Bowel. *Journal of PaedsObstetGynecol*, 9(2), 43-45.
- Singh, S., Sharma, R., Radhakrishnan, G., Lakhanpal, S., Lakha, V. (2017). Umbilical coiling index assessment at birth - A marker of perinatal outcome. *IJNMR*, 5(3), 1-4.
- Singla, A., Chawla, S. Anatomic Considerations in Recurrent Pregnancy Loss. Singapore: Gupta, B., Mehta, S.
- Singla, A., Kumar, N. Classifications in Obsterics and Gynaecology. New Delhi: Goel, N., Rajaram, S., Jain, S and Mehta, S.
- Singla, A., Mehta, S., Rajaram, S., Radhakrishnan, G. (2017). A ten year audit of maternal mortality: Millennium developments still a distant goal. *Indian Journal of Community Med.*, 2, 102-106.
- Sinha, P., Suneja, A., Guleria, K., Aggarwal, R., Vaid, N.B. (2018). Comparison of Mifepristone followed by Misoprostol with Misoprostol alone for treatment of early pregnancy failure: a randomized double blind placebo controlled trial. *Journal of Obs Gyn India*, 1, 39-44.
- Srivastava, A., Jain, S. (2017). First and second trimester aneuploidy screening. New Delhi: Goel, N., Rajaram, S., Jain, S., Mehta, S.
- Srivastava, H., Shree, S., Guleria, K., Singh, U.R. (2017). Pure primary squamous cell carcinoma of ovary – A rare case report. *Journal of Clin Diagn Res*, 11(5), QD01 - QD02.
- Suneja, A., Aggarwal, R. (2018). *Menstrual disorders and polyeystaeovzry syndrome*. New Delhi: Gupta, P., Menen, P.S.N., Ranji, S., Lodha, R.
- Suneja, A., Pandit, U. (2017). Management Recommendations in Abnormal Cytology. In Mehta, S and Sachdeva, P. (Eds.). *Colposcopy of Female Genital Tract*. Singapore.
- Yadav, P., Singla, A., Sidana, A., Suneja, A., Vaid, N.B. (2017). Evaluation of sonographic endometrial patterns and endometrial thickness as predictors of ectopic pregnancy. *International Journal of GynecolObstet*, 136, 70-75.

Research Projects

- Radhika A.G., WHO-Government of India, 2015-2017, “Ferrous Sucrose in Pregnant Anemic Women in India (FeSPA) – An open label randomised controlled trial”, Rs. 1,60,000/-
- Gupta B, DBT, 2016-2018, “Primary cultures of epithelial ovarian cancer as a tool to detect resistance to chemotherapeutic agents – a pilot study”, Rs. 23,57,000

Conferences organised

State Level Family Planning Workshop on “Technomanagerial& Quality Aspects of Family Planning Services”,DFW, Govt. of NCT of Delhi. March 14th-15th, 2018.

AOGD Hands on Skills Workshop on, “Basic Life Support and Maternal Resuscitation”. May, 2017

AOGD Hands on Skills Workshop on, “CTG and Instrumental Delivery”. Sept. 2017.

AOGD Hands on Skills Workshop on, “Basics of Endoscopy in Gynecology”. July, 2017.

AOGD Hands on Skills Workshop on, “Management of PPH: Practical Aspects”. Dec. 2017.

CME on “Antenatal Care: Best Practices” UCMS and GTB Hospital. May 19, 2017.

CME on “Postnatal services Care: Continuum of care ”, UCMS and GTB Hospital

National Conference on “BOH- the Triology” FOGSI_AOGD,,New Delhi. Aug. 19th-20th, 2017

39th Annual Conference of Association of obstetrician and gynaecologist of Delhi (AOGD), New Delhi. Nov. 18th-19th, 2017.

Seminar/Conference Presentations

Bhanupriya, E-poster presentation. “Atypical neurological manifestation in postpartum period: a case series”at 39th AOGD conference, Nov. 18th-19th, 2017.

Guleria K., Chaired session on ‘Obstetric Hemorrhage’ at CME-Women & Bleeding by ISOPARB held at SGRH, Delhi, April 15th, 2017.

Guleria K., Chaired a session on ‘prognosticating in fetal anomalies’ at first quarterly meet of Society of Fetal Medicine at AIIMS, May 7th, 2017.

Guleria K.,Chaired in CME on “Menopause Management – An Executive Guide”, held at Sir Ganga Ram Hospital, Delhi, May 12th, 2017 .

Guleria K., Panelist on Dilemmas in Endometriosis at 1st Endometriosis Summit FOGSI-AOGD at IHC Delhi, May 14th, 2017.

Guleria K., Chairperson in DGES Annual & IAGE North Zone conference on “Laparoscopic Myomectomy”, New Delhi, Aug. 27, 2017.

Guleria K., Panelist on “Adolescent Gynecolgical issues: case based discussion” at AICC- RCOG North Zone Annual Conference, MAMC, New Delhi. Jan. 17th-21st, 2018.

Gupta B, Guest Lecture on “Colposcopy procedure” for precongess workshop of Annual Conference of National Association of Reproductive and Child Health of India, New Delhi,Safdarjung Hospital, Oct., 27th, 2017.

Gupta B.,Lecture on “Risk reducing salpingo-oophorectomy”at 39th Annual AOGD Conference, November, 2017.

Gupta B., Moderator of “Panel discussion: Management of abnormal smears” at 8th National Conference of AOGIN, India,Lucknow, Sept. 2017.

Gupta B., Lecture on “What is the best screening tool for India-VIA” at 8th National Conference of AOGIN,Lucknow. Sept., 2017.

Gupta B., Lecture on cervical cancer, risk factors and symptoms at community screening workshop at 8th National Conference of AOGIN, Lucknow, Sept., 2017.

Gupta B., Talk on “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women “at Regional north zone conference of AGOICON, Jammu ,May 6, 2017.

Gupta B., Panelist and Talk on “Role of young women in controlling cervical cancer- community screening” under the aegis of AOGIN India and Delhi University women health and cancer awareness workshop,Miranda House, New Delhi, April 7, 2017.

Gupta B., Lecture on “Screening for ovarian cancer” at North zone yuva FOGSI conference,Lucknow, April, 2017.

Gupta B., Moderated panel discussion on “HPV Vaccination :consensus and controversies” in national conference AGOICON,Bhubaneswar, Aug., 2017.

Gupta B., Talk on “p16 for diagnosis and management of CIN”. at AGOICON, Bhubaneswar ,Aug., 2017.

Gupta B., Co-moderator, panel discussion on "Hormones and gynaecological cancers: HRT after gynae cancers/ Hormonal at annual conference of Noida obs and gynae society, Oct. 2017.

Gupta B., Lecture on “tumour markers in ovarian cancer” at Annual conference of Obstetrics and Gynecology Society, Ghaziabad, April, 2017.

Gupta B., Lecture on “Diagnosis and Management of Vaginal Discharge” at Annual Conference of ISOPARB, April, 2017.

Gupta B., Lecture on “FOGSI Screening Guidelines 2018: VIA” at 61st AICOG, Bhubaneswar, Jan. 17th-21st, 2018,

Jain S., Speaker for video presentation in AOGD on, “Leforts Colpoclesis”, at 39th Annual conference of obstetrician and gynaecologist, Delhi, Nov. 18th-19th, 2017.

Jain S., Speaker at Urogenyc Conference, Ahmedabad, 27Oct., 2017.

Suneja A., Guest Lecture on "Pregnancy after DVT" during XXXIII Annual Congress of ISOPARB, Delhi, Apr. 8th, 2017.

tissue estrogen receptor expression in Ca Suneja A., Guest lecture on, “BREECH DELIVERY”, during Gurukul Program, SGRH, Delhi, Jul. 20th, 2017.

Suneja A., Expert committee member on “Induction of labour” organised by Ferring pharmaceuticals, Jul. 28th, 2017

Suneja A., Panelist on "H1N1 and Dengue infection in pregnancy" during MIDCON 2017, EDPA New Delhi, Jul. 30th, 2017.

Suneja A., Guest lecture on “Interesting cases of Mullerian anomalies during north zone” at FOGSI, Ludhiana, Sept. 21st, 2017.

Suneja A., Guest lecture on "Screening of gestational diabetes mellitus" -FOGSI/FIGO guidelines during TRILOGY OF BOH organised by FOGSI North Zone and AOGD, 19Aug., 2017, Gurugram.

Suneja A., Chairperson ‘Gynae Endoscopic Workshop & Hands On training’ 22Sept., 2017, MAMC, New Delhi.

Suneja A., Guest speaker on "Oophorectomy Dilemmas" during Symposium on “Ovary: Unfolding the Secrets in Management”, 29Sept., 2017, AIIMS, New Delhi

Suneja A., Guest speaker on "Pattern and profile of Gynaecological cancer patients in OPD: Treatment modalities and the need for a team effort" during CME on “Attitude and Communication Competencies (ATCOM) related training of doctors, nurses and medical students through counseling room approach to solve pre and post therapy health issues faced by Gynaecological cancer patients” 27Oct., 2017, PGIMER Chandigarh

Suneja A., Guest lecture on "Principles of management of CIN "at workshop on Colposcopy, 21Sept., 2017, SJH & VMMC, New Delhi.

Suneja A., Chairperson for ‘Gynae Endoscopic Workshop & Hands On training’ 27Oct., 2017, MAMC, New Delhi.

Suneja A., Chairperson "1st Endometriosis Summit" organised by FOGSI Endometriosis committee being held at IHC , Delhi, Oct. 28-29, 2017

Suneja A., Chaired session on Urodynamics during pregress workshop on urogynecology at MAMC held at New Delhi, India, Nov. 17, 2017

Suneja A., Chairperson for session on “Leiomyoma” at 24th Annual Conference of NARCHI, Delhi Branch, 18-19Nov., 2017, Lady Hardinge Medical College, New Delhi.

Suneja A., Chairperson for session on “Radical surgery for carcinoma cervix” at AOGD Pre-Congress Gynae Oncosurgery Video Workshop, 23 Nov., 2017, New Delhi

Suneja A., Chairperson at 39th Annual Conference of AOGD 2017, 23Nov., 2017, New Delhi.

Srivastava H., Talk on “Role of Society and Social Support in BOH” at FOGSI, Gurugram, Aug. 20th, 2017.

Srivastava H., Chairperson at workshop on “Basics of Endoscopy in Gynaecology”, Jul. 2017.

Srivastava H., Invited as panelist at CME on “Essentials of Antenatal care” under the aegis of AOGD, Apr. 2017.

Singh, A. Invited as panelist in CME on “Postnatal Services-Continuum of Care” Under the aegis of AOGD, Aug. 4, 2017.

Singh, A. Invited as a panelist in a panel discussion on IUGR at UPCOG-2017 (29th Annual conference of U.P. chapter of obstetrics & gynaecology) at LLRM Medical college, Meerut, Oct. 14th-15th, 2017.

Singh, A. Speaker for video presentation in AOGD, 39th Annual conference of obstetrician and gynaecologist of Delhi “Innovation in PPH Management: Bakri & Chhattisgarh Balloon”, Nov. 18th-19th, 2017.

Singh, A. Chairperson at workshop on “Basics of Endoscopy in Gynaecology”, July 2017.

Singh, A. Attained a Training programme for conduct of medical examination and recoding of MLCs, Death Summaries and Post Mortem in cases involving sexual offences held in Delhi high court, Aug. 27th, 2017 and Feb. 10th, 2018.

Singh, A. Presented a paper on “Association of serum and cervical tissue organochlorine pesticide levels and cervical cervix” at North zone Yuva FOGSI, Lucknow, April 28th-30th, 2017.

Extension and Outreach Activities

1. Cervical Cancer Screening Camp in East Delhi

Faculty delivers Radio talk on AIR

Faculty Strength: 19

Other Significant Information:

Faculty of the Department is invited as experts in various academic bodies namely MCI, UPSC, DMC, NBE, FOGSI, AOGD, AOGIN and the Department has run the office of various associations namely AOGIN India, NARCHI & AOGD.

ORTHOPAEDICS (MAMC)

Major Activities and Achievements:

The department of Orthopaedics, Maulana Azad Medical College has continued to maintain a high standard of medical education in the field of orthopaedics for both undergraduate and post graduate students. The department has continued to publish numerous articles of a high academic standard and these have been published / accepted in peer review international journals of repute and have contributed to chapters in books of repute. The faculty members have delivered guest lectures and presented papers and have been invited as guest faculty and expert in various courses and forums across the country. The department continued to successfully conduct the popular post graduate instructional course in orthopaedics which attracted more than 300 post graduate students across the country. Most of the faculty members have been invited as examiners at various universities and involved with the Medical Council of India and DNB and contributed towards medical examination.

Honours / Distinction

Dr. L. Maini, Indian Orthopaedic Association Arthroplasty Fellowship 2017.

Dr. L. Maini, Chairman ISKSAA (International Society for knowledge for surgeons on Arthroscopy and Arthroplasty).

Dr. L. Maini, Hon. Specialist Edge Hill University UK.

Dr. Vineet Dabas completed one year clinical fellowship in hand and upper extremity surgery, Canada

Publications

Agarwal, P., Das, S., Gupta, V., Arora, S. (2017). Unusual association of elbow dislocation with humeral biepicondylar fracture in a child: a case report with review of literature. *The Journal of Clinical Orthopaedics and Trauma*, 8(1), 41-44.

Anurag, T., Mukul, M., Ankit, T., Sumit, S., Anil, D. (2018). Anterior reconstruction of spine by posterior approach in cases of unstable thoracolumbar burst fractures. *International Journal of Research in Orthopaedics*, 4(3), 421-427.

- Tiwari, A., Karkhur, Y., Maini, L. (2018). Total hip replacement in tuberculosis of hip: A systematic review. *Journal of Clinical Orthopaedics and Trauma*, 9(1), 54–57.
- Aslam, M. A., Sabir, AB., Tiwari, V., Abbas, S., Tiwari, A., Singh, P. (2017). Approach to Total Knee Replacement: A Randomized Double Blind Study between Medial Parapatellar and Midvastus Approach in the Early Postoperative Period in Asian Population. *The Journal of Knee Surgery*, 30(8), 793-797.
- Bhatnagar, N., Kishan, H., Sural, S., Lingaiah, P., Jaikumar, K. (2017). Pelvic hydatid disease: a case report and review of literature. *Journal of Orthopaedic Case Reports*, 7(4), 25-28.
- Bhatnagar, N., Lingaiah, P., Lodhi, J. S., Karkhur, Y. (2017). Pathological fracture of femoral neck leading to a diagnosis of Wilson's disease: a case report and review of literature. *Journal of Bone Metabolism*, 24(2), 135-139.
- Bushu, H., Divyanshu, D. D., Hemant, K. P., Dhananjaya, S. (2017). Bicondylar conjoint Hoffa's fracture with patella entrapped in the fracture: A rare case report. *Journal of Clinical Orthopaedics and Trauma*, 9(2), 35-38.
- Bushu, H., Preeti, S., Divyanshu, DD., Dhananjaya, S. (2017). Dermatomyositis a diagnostic delima: an interesting case series and review of literature. *Journal of Clinical and Experimental Dermatology Research*, 8(5), 1000414.
- Dagar, A., Kumar, R., Kashyap, A., Prabhat, V., Lal, H., Kumar, L. (2017). Transforaminal epidural Etanercept for the treatment of prolapsed lumbar intervertebral disc induced sciatica. *Journal of Clinical Orthopaedics and Trauma*, 8(2), 148-152.
- Gautam, V. K., Saini, R., Sharma, S. (2017). Effectiveness of leucocyte esterase as a diagnostic test for acute septic arthritis. *Journal of Orthopaedic Surgery*, 25(1), 2309499016685019.
- Grover, SB., Arora, S., Kumar, A., Grover, H., Katyan, A., Nair, DM. (2017). "Caught by the eye of sound"- Epigastric swelling due to xiphisternal tuberculosis. *Polish Journal of Radiology*, 82, 41-45.
- Harna, B., Goel, A., Singh, P., Sabat, D. (2017). Pediatric conjoint Hoffa's fracture: An uncommon injury and review of literature. *Journal of Clinical Orthopaedics and Trauma*, 8(4), 353-354.
- Karkhur, Y., Maini, L., Tiwari, A., Verma, T. (2017). Ewings sarcoma of ilium: Resection and reconstruction with femoral head allograft. *Journal of Clinical Orthopaedics and Trauma*, 8 (1), 53-57.
- Karkhur, Y., Tiwari, A., Verma, T., Maini, L. (2017). Unusual presentation of chondroblastoma mimicking Trevor's disease. *Journal of Postgraduate Medicine*, 63(3), 197-199.
- Lalit, M., Ankur, S., Anshul, G., Amit, S., Surabhi, R. (2018). Evaluation of Knee Kinematics in Single Radius versus Multi-Radii Total Knee Arthroplasty in India Population: A Randomized Control Trial. *Open Access Journal of Biomedical Engineering & Biosciences*, 1(3).
- Pushpasekaran, N., Kumar, N., Chopra, R. K. Borah, D., Arora, S. (2017). Thawing frozen shoulder by steroid injection. *Journal of Orthopaedic Surger*, 25(1), 2309499016684470.
- Singh, P., Kumar, A., Shekhawat, V. (2017). Scarf-related injuries at a major trauma center in northern India. *Chinese Journal of Traumatology*, 20(2), 90-93.
- Vivek, B., Abhishek, M., Tarun, V., Dhruv, M., Yugal, K., Maini, L. (2018). Anthropometric assessment of tibial resection surface morphology in total knee arthroplasty for tibial component design in Indian population. *Journal of Arthroscopy and Joint Surgery*, 5(1), 24-28.

Journals

Dr.Lalit Maini:

Associate Editor Indian Journal of Orthopaedics

Executive Editor Journal of Clinical Orthopaedics& Trauma

Executive Editor Journal of Arthroscopy & Joint Surgery

Section Editor MAMC Journal of Medical Sciences

Corresponding Editor Asian Archives of Anaesthesiology & Resuscitation

Patents Filed / Granted

Bending of Orthopaedic Plates, Indian Application No201711038563, Applicant: IIT Delhi, Inventors: Dr.Sunil Jha and Dr.Lalit Maini.

Conferences Organised

XIX MAMC Instructional course lecture series from Nov. 16th to 17th 2017.

Maini, L., 6th MSK imaging CME, Delhi, Aug.6th 2017, Delhi.

Maini, L., DOA Advance Trauma Course. April, 2017.

Maini, L., DOA Basic Trauma Course. Dec., 2017.

Maini, L., 2nd DOA Scientific Writing Workshop. Jan., 2018.

Seminar /Conferences Presentations

Anil Dhal, Talk on nerve injuries at XIX MAMC Instructional course lecture series, Nov. 16th-17th, 2017.

Gupta, A., Talks on spine session, gait analysis, orthopaedic radiology, wrist injuries at XIX MAMC Instructional course lecture series, Nov.16th-17th, 2017.

Gautam, V.K., Talks on coronal plane deformities of knee and Orthopaedic radiology at XIX MAMC Instructional course lecture series, Nov.16th-17th, 2017.

Gautam, V.K., Chaired a session on two live surgeries at Current Concepts in Arthroplasty 2017, AIIMS, New Delhi, Aug.12th-13th, 2017 .

Gautam, V.K., Talk on lumbar Canal stenosis and X-ray reading for PG Course, Vasant Rao Pawar Medical college at Nashik, Aug. 25th-27th, 2017.

Sharma, M., Talks on clinical hip examination at XIX MAMC Instructional course lecture series, Nov. 16th-17th, 2017.

Kumar, V., Talks on knee instability at XIX MAMC Instructional course lecture series, Nov.16th-17th, 2017.

Sural, S., Presented Poster on “Results of early diagnosis and rapid detection of rifampicin resistance by cartridge based nucleic acid amplification (cbnaat) test in musculoskeletal tuberculosis” at 38th SICOT Orthopaedic World Congress, Cape Town, South Africa, Nov.30th – Dec 2nd, 2018.

Sural, S., Talk on Hip examination and Recent advances in diagnosis and management of osteoarticular TB at Indian Orthopaedic Association Annual Conference PG Course, 26-31Dec, 2017, Indore .

Sural, S., Talk on Gait analysis and Spine examination at PG Course, Bhopal, February 2018.

Sural, S., Talks on ward round, and spine session at XIX MAMC Instructional course lecture series, 16-17 Nov, 2017.

Maini, L., 3 D modeling in Orthopaedics North Zone annual Conference, Ludhiana Feb. 2017.

Maini, L., How to write a research Proposal. North Zone annual Conference, Ludhiana .Feb. 2017.

Maini, L., Ipsilateral Hip and knee fractures: Tips & Tricks. North Zone annual Conference, Feb. 2017, Ludhiana.

Maini, L., Writing material & Methods. MAMC Paper writing workshop, Aug. 2017.

Maini, L., Evaluation of the elbow pathologies. PG instruction course MAMC, Sept. 2017

Maini, L., Templating in Total Hip Replacement. Smart Hip & Knee Conclave. Nov. 2017.

Maini, L., Infected Non union of the Tibia. ASAMI Annual conference Rohtak. Dec. 2017

Maini, L., Talks on Elbow examination and tumours at XIX MAMC Instructional course lecture series, Nov. 16th-17th, 2017.

Kashyap, A., Talks on orthopaedic implants at XIX MAMC Instructional course lecture series, Nov.16th-17th, 2017.

Arora, S., Talk on “Arthroscopic graft fixation options” at MAMC arthroscopy and arthroplasty update with cadaveric work-shop

Arora, S., Talk on “external fixators” at DOA Basic Fracture Fixation Work-shop

Suri, T., Presented paper on “does SSI affect fusion outcome in thoracolumbar fusions”

Suri, T., Presented poster on “conus tumors- a review”

National /International MOU's signed

Post graduate Diploma course in Geriatric Medicine; Principal/ Co-investigator- Dr.Anil Dhal/ Dr.V.K.Gautam, Dr.Sumit Sural; Sponsoring organization- IGNOU.

Collaborating a research to develop patient specific pre-contoured plates for fixation of fracture acetabulum. Principal/Co-investigator- Dr.Sunil Jha Department of Mechanical IIT Delhi, Sponsoring organization- Department of Mechanical IIT Delhi.

Faculty Strength: 16

Other significant information:

Maini, L., Hon.Secretary Delhi Orthopaedic Association 2015 – 18.

Maini, L., Honorary Advisor Rotary Viklang Kendra, Karkardoma.

OPHTHALMOLOGY (LHMC)

Major Activities and Achievements

The Department started as a combined single department together with ENT department. Since 1972, it is a separate department. At present, there are 5 faculty members and 5 senior residents. In addition, 4 Postgraduate students pursuing MS in Ophthalmology are admitted every year. The department imparts training to Undergraduates pursuing MBBS course and to B.Sc. Nursing Students. Interns undergo a compulsory 15 days practical training in Ophthalmology. It also provides Comprehensive Ophthalmic Services and also specialized services in various fields i.e. Phacoemulsification, Glaucoma, Oculoplasty, Squint, Retina, Paediatric ophthalmology including ROP Screening & Management. The faculty members and residents of the department have been attending various national and international conferences from time to time and presenting papers and posters. They have also won awards at these national and international conferences. Community Outreach Services are provided at the Urban Health Centre Kalyanpuri on Thursdays. The department participates in Govt. Sponsored Programme under NPCB, NCT of Delhi and also participates in screening of patients at various eye camps in Delhi.

Honours / Distinctions

Best physical poster Award in the Pediatric Ophthalmology session won at the 75th AIOS conference at Jaipur, India at the 76th AIOS Conference at Coimbatore, India, Feb. 22nd-25th, 2018.

Publications

Chaudhuri, Z., John, J., Aneja, S., Thelma, B. K. (2017). Pedigree analysis of familial primary concomitant horizontal strabismus in northern India. *Strabismus*, 25(4), 200-213.

Beri, S., Shandil, A., Garg, R. (2017). Stenotrophomonas maltophilia: An emerging entity for cluster endophthalmitis. *Indian J Ophthalmol*. 65(11), 1166-1171.

Madan, S., Beri, S. (2017). Bitot spot: early marker for avoidable blindness. *CMAJ*, 189(40), E1264.

Chaudhuri, Z., Demer, J. L. (2018). Long-term surgical outcomes in the sagging eye syndrome. *Strabismus*, 26(1), 6-10.

Garg, R., Madan, S. Sethi, M., & Beri, S. (2017). Presumed intraocular tuberculosis: An unusual Presentation. *Case report*, 5(2). Doi: 10.19080 |JOJC 5, 2017.05.55659,

Garg, R., Madan, S, Prakash, P., Chander, R., (n.d.). Chaudhuri, M, Leser-Trélat Syndrome in a male with Breast Carcinoma and Eyelid Basal Cell Carcinoma: *Ocul Oncol pathol*, 2018; 4:161-164, <https://doi.org/10.1159/000481354>

Postgraduate thesis submitted and Currently going on. 8 MD students

Seminar/ Conference Presentations

Shweta C, Garg R & Beri S. Sonographic assessment of optic disc cupping and its diagnostic performance in glaucoma. AIOC, 2017.

Prakash O, Free paper presentation in AIOS 2017, Jaipur: Effect of steep meridian incision in patient with 1 D Astigmatism after phacoemulsification cataract surgery.

Chaudhuri Z, Rana G. Cerebral Visual Impairment [CVI] is a differential diagnosis of recalcitrant amblyopia. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22nd-25th, 2018.

Madan S, Chaudhuri Z. Acute Acquired Comitant Esotropia (AACE) in a pre-diabetic subject. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22nd-25th, 2018.

Madan S, Chaudhuri Z. Juvenile myasthenic ophthalmoplegia. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22nd-25th, 2018.

Madan S, Chaudhuri Z. Cortical visual impairment (CVI) scoring in children with developmental delay in northern India Hyde Park presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22nd-25th, 2018.

Chaudhuri Z, Rana G, Dhikav V, Dhamija RK. Visual functions in Alzheimer's dementia. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1st-3rd, 2017.

Madan S, Chaudhuri Z. Cortical visual impairment (CVI) scoring in children with developmental delay in northern India. Oral presentation in the poster village at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1st-3rd, 2017.

Madan S, Chaudhuri Z. Optic neuritis with cerebral venous thrombosis as a marker of auto-immune thyroiditis. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1st-3rd, 2017.

Yadav R, Sethi M, Chaudhuri Z. Parry Romberg Syndrome and Linear Scleroderma in a pediatric patient. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1st-3rd, 2017.

Chaudhuri Z, John J, Mukhopadhyay A, Aneja S, Thelma BK. Whole exome sequencing in familial primary comitant exotropia. Poster presentation at the Joint 13th International Strabismological Association (ISA) and 44th American Association of Pediatric Ophthalmology and Strabismus (AAPOS) Meeting, Washington DC, USA, March, 18th-22nd, 2018.

Invited talk on "Muscle pulleys and rectus muscle plication" at Shroff Charitable Eye Hospital at New Delhi, India, Nov. 17th, 2017.

Invited talk on "Genetics of comitant strabismus" at the AAPOS Symposium at the DOS SPOSI International Congress 2017, Dec. 9th-10th, 2017.

Conducted the "Strabismus" micro-surgical skill course at the Postgraduate education centre at Maulana Azad Medical College, Feb. 9th, 2018.

Organised and chaired a workshop with Professor Joseph L Demer at the Joint meeting of the 13th ISA and 44th AAPOS conference at Washington DC, USA, on "Newer Signatures for evidence based evaluation in strabismus: Imaging and genetics, from March 18th-22nd", 2018.

Other Inter-Institutional Collaboration: The department has been chosen as an arm in the ICMR project of Congenital Rubella Syndrome Surveillance.

Faculty Strength: 4

OTORHINOLARYNGOLOGY (UCMS)

Publications

Singh, P. P., Goyal M, Goyal, A. (2017). Sialendoscopic approach in Management of Juvenile Recurrent Parotitis. *Ind J Otolaryngol Head Neck Surg*, 69(4), 453-458.

Gupta, N, Harit, A, Taneja, H. C., Kumar. R, Tripathi. A. K. (2017). Olfaction and its correlates in Allergic Rhinitis: a Case Control Study. *Indian J Otolaryngol Head Neck Surg*.

Rai, G, Roy, P, Gupta, N. et al. (2017) Computed tomography score an excellent marker: differentiates eosinophilic and non-eosinophilic variants of chronic rhinosinusitis with nasal polyp. *Indian J Otolaryngol Head Neck Surg*.

Roy, Priyamvada. Shukla, Das. Sharma, Sonal, Vaibhav Girotra, Neelima Gupta, Rumpa Saha, Iqbal, & Rajinder Kaur. (2017). Revisiting the Utility of Histopathological Examination of Biopsy: A Necessity in Microbiology. *Journal of Clinical and Diagnostic Research*, 11(5), DC16-DC18.

Rai, G, Ansari, M. A., Dar, S. A., Datt, S, Gupta, N. et al. (2018). Serum Cytokine Profile in Patients with Chronic rhinosinusitis with Nasal Polyposis Infected by *Aspergillus flavus*. *Ann Lab Med*, 38, 125-131.

Conferences organised by the department

National Symposium on Head and Neck Cancer, July 5th, 2017.

Hands on Head and Neck Cadaveric Dissection and Reconstruction Workshop, Oct. 12th- 14th, 2017.

Symposium on Head and Neck Reconstruction, Feb., 2018.

Number of faculty- 6

PAEDODONTICS & PREVENTIVE DENTISTRY (UCMS)

Publications

Garg K, Kalra N, Tyagi R, Khatri A, Panwar G. (2017). Prosthetic Rehabilitation of an insidiously enlarged traumatic palatal perforation after orotracheal intubation in young diabetic child. *J of Clinical and Diagnostic Research*, 11(4), 38-9.

Baweja M, Kalra N, Tyagi R, Faridi M M A, Khatri A. (2017). Effect of different patterns of breastfeeding on dental caries of children at 3-5 years of age. *J Dent Specialities*, 5(1), 20-6.

Garg K, Kalra N, Tyagi R, Khatri A, Panwar G. (2017). An Appraisal of the Prevalence and Attributes of Traumatic Dental Injuries in the Permanent Anterior Teeth among 7–14-Year-Old School Children of North East Delhi. *Contemporary Clinical Dentistry*, 8 (2), 218-24.

Patidar S, Kalra N, Khatri A, Tyagi R. (2017). Clinical and radiographic comparison of platelet-rich fibrin and mineral trioxide aggregate as pulpotomy agents in primary molars. *J Indian Soc Pedod Prev Dent*, 35, 367-373.

Seminar/Conference Presentations:

Dr Namita Kalra delivered a guest lecture at workshop at Jamia Delhi, Oct. 11th- 12th, 2017.

Dr Namita Kalra chaired Session at 3T-IBHS Training Course at Rohtak, March 5th-7th, 2018.

Dr Rishi Tyagi chaired Session at 39th Annual conference of ISPPD at Chennai, Sept. 13th- to 16th, 2017.

Dr Rishi Tyagi presented a poster at 39th Annual conference of ISPPD at Chennai, Sept. 13th- 16th, 2017.

Faculty Strength: 04

PATHOLOGY (LHMC)

Major Activities and Achievements

Total number of laboratory investigations done by Pathology department was 8,24,436 in a year. Dept of Pathology had organised Quarterly meet of Delhi Society of Hematology on 8/04/2017. Many voluntary blood donation camps and various awareness programs were organised by Dept of Pathology and Blood bank along with undergraduate students, under Student Leadership Mission program (under the aegis of Medical education unit).

Honours /Awards

Dr Manjula Jain, Dir Prof. was appointed as President of Indian Association of Pathologist and Microbiologist (Delhi Chapter)

Students with Distinctions: 08

Publications

Bhushan R, Agarwal S, ChanderR, Agarwal K. (2017). Direct immunofluorescence study in discoid lupus erythematosus. *World J Pathol*, 6, 56-60.

Chikara a, sharma s, Chandra j, nangia a (2017). Thrombin activable fibrinolysis inhibitor in beta thalassemia. *Indian J Pediatr*, 84 (1), 25-30.

Lalita, J. P., Sehgal S, Chatterjee P. (2018). Hypocalcaemia following transfusion of a small volume of red blood cell concentrate: An unusual case. *Journal of Clinical and Diagnostic Research*, 12 (4), EL01.

Nangia A1, Sehgal S, Agarwal K. (2018). Masson's tumor masquerading as a papillary adenocarcinoma on fine needle aspiration cytology: A case report. *Turk Patoloji Derg*, 34(2), 179-181.

Pahuja S, Puri V, Mahajan G, Gupta P, Jain M. (2017). Reporting adverse transfusion reactions: A retrospective study from tertiary care hospital from New Delhi, India. *Asian J Transfus Sci*, 11, 6-12.

Puri V, Gandhi A, Sharma S. (2017). Renal biopsy in paroxysmal nocturnal hemoglobinuria: An insight into the Spectrum of morphologic changes. *Indian J Nephrol*, 27, 284-285.

Rai P, Karangadan S (2017). Utility of cell block preparation for preoperative diagnosis of scar endometriosis. *J med soc*, 31 (3), 214-216.T

Singh G, Shukla S, Kumari P, Shukla I. (2018). Granulocytic spongiotic papulovesiculosis. A rare case of extra-nasopharyngeal angiofibroma of the septum in a female child. *The Journal of Laryngology & Otology*, 132(2). 184-187.

Singh S, Kashyap A, Agarwal K, Anand A. (2017). Lipomatous congenital intradermal melanocytic nevus: a rare occurrence. *Indian J case reports*, 3(4), 281.

Singh K, Jain M, Agarwal K, Pathania OP (2017). Cancer stem cell marker, CD 44 expression in Indian breast carcinoma patients and its association with the molecular subtype of breast carcinoma. *The Breast*, 32(1), 248.m

Journals

Number of College teachers serving as Editors (s)/Member(s) of Editorial Board: 01

Research Projects

Deptt. of Health Research, Titled: RT- PCR for detection of common Fusion Transcripts in Childhood ALL, 2017-18, Rs 30 lakhs.

Conferences Organised

Quarterly Meet Delhi Society of Hematology, SJ Auditorium, LHMC on 8/04/2017.

Conferences Presentations

Dr. Sangeeta Pahuja presented at 6th Annual Conference of Indian Society of Transfusion Medicine, Lucknow, Nov. 2017.

Dr. Sangeeta Pahuja presented at 28 th Regional Congress of the ISBT, Guangzhou ,Nov. 25th-28th, 2017.

Dr. Preeti Rai presented at 1stICMLS (Indian Confederation of Medical Laboratory Science), LHMC, April 15th-16th, 2017 .

Dr. Preeti Rai presented at International CME of Gynaecologic Pathology PGI Chandigarh, Oct. 28th-29th, 2017.

Dr Preeti Rai presented at 1st ICMLS (Indian Confederation of Medical Laboratory Science), LHMC, April 15th-16th, 2017.

Dr Jyotsna presented 66th Annual Conference of IAPM, Bhopal, Dec. 7th-10th, 2017.

Dr. Vandana Puri presented at Pathcon New Delhi, Dec. 16th-17th, 2017 .

Faculty Strength: 15

Other Significant information

Dr. Manjula Jain is also a member of editorial board in 2 journals (Acta Cytologica and Journal of Cytology).

Dr Sangeeta Pahuja Sindhwani, Prof. is appointed as National Technical Expert for framing “guidelines for setting up blood storage centres at first referral units and National Technical Expert for finalizing the training manual for “e- Raktkosh software training and strengthening of Blood Services”, under Ministry of Health and Family Welfare, Govt. of India.

PATHOLOGY (MAMC)

Major activities and achievements

Serves as a diagnostic laboratory along with teaching of 250 MBBS Students and BDS, BPO and MLT students and postgraduate students of Pathology. 18405 samples were received in histopathology Section along with frozen sections for rapid intraoperative diagnosis, Immunofluorescence for skin lesions, processing small, medium and large surgical specimens, autopsy specimens, immunohistochemistry and special stains. 14827 samples in hematology were received for special hematology diagnostic tests. Complete hemogram, bone marrow aspirates and bone marrow biopsy. Varied tests are conducted in special hematology namely G6PD deficiency, osmotic fragility, HPLC, cytochemical stains and LE cell, Flow cytometry is being done for diagnosing hematolymphoid malignancies and PNH. Flow cytometry from Lymph node aspirates for diagnosing Lymphomas has been added. 9051 cytology specimens were processed including fluid cytology and aspiration cytology samples, image guided FNAC and in bed FNAC, fluid aspirates from ascitic fluid, peritoneal fluid, pleural fluid, BAL, sputum cytology, urine cytology and Gynae PAP smears. Regularly postgraduate level seminars, Clinicopathological meets, projects, publications and thesis work are ongoing exercises along with faculty development activities. Thirty eight publications were done by the department faculty in various national and international peer reviewed journals. There has been overall growth in 4.7% in diagnostic work as compared to previous year.

Honours and Distinctions

Dr Sarika Singh had been awarded best paper in Indian Myeloma Congress, Feb. 2018.

Publications

Agamani, V., Anjali Prakash, Shyama Jain. (2018). Is Acoustic radiation force impulse ultrasound elastography valuable in assessment of cervical lymphadenopathy –*Indian journal otolaryngol head and neck surgery*.

Bembem, K., Jaiswal, A., Singh, M., Verma, N., Jain, S., & Bhat, A. (2017). Cyto-histo correlation of a very rare tumor: Superficial angiofibroma. *Journal of cytology*, 34(4), 230.

Bhat, G. A., Gunasekaran, V., Lal, P., & Khurana, N. (2018). Tuberculosis breast and its coexistence with carcinoma breast: A retrospective analysis at a tertiary care hospital in India. *The breast journal*, 24(1), 94-95.

Bhattacharya, J. B., Gupta, R., & Narayan, S. (2017). Pediatric CML presenting in blast crisis-a rare occurrence: Report of 3 cases and review of literature.

Bhattacharya, J. B., Gupta, R., & Samadhiya, A. (2017). Acute megakaryoblastic blast crisis as a presentation manifestation of chronic myelogenous leukemia. *Blood research*, 52(2), 137-139.

Bhattacharya, J. B., Singh, M., & Jain, S. L. (2017). Intraparotid schwannoma masquerading as primary spindle cell tumour of parotid: A diagnostic pitfall. *Journal of cytology*, 34(4), 221.

Bohara, S., Jain, S., Khurana, N., Shangpliang, D. M., Agarwal, S., & Gandhi, G. (2018). Intraoperative cytology of ovarian neoplasms with an attempt to grade epithelial tumors. *Journal of cytology*, 35(1), 1.

Chaudhary, D., Mandal, S., Khurana, N., and Lal, P., (2018). Aggressive Angiofibroma of the Paratestis: Case Report with a Comprehensive Review of Literature. *Journal of Genital System & Disorders*. Chaudhary et al., J Genit Syst Disord. 7, 1.

Chhikara, A., Singh, S., Gupta, B., & Ansari, M. (2016). Diagnostic Conundrum of Infantile Glycogen Storage Disorder with Myopathy. *Journal of clinical and experimental hepatology*, 6, S79.

Gupta AJ, Mandal S, Gupta R, Khurana N, Gulati A. (2017). Myeloid Sarcoma Presenting as Nasal and Orbital Mass: An Initial Manifestation of an Acute Myeloid Leukaemia. *J Clin Diagn Res*, 11(7), ED24-ED26.

- Gupta B, Yadav S, Khurana N, Raj P. (2017). Sacrococcygeal Teratoma in a Seven-Day-Old Child with Pulmonary Differentiation. *J ClinDiagn Res*, 11(8), SD01-SD02.
- Gupta, A. J., Singh, M., Rani, P., Jain, S., Khurana, N., & Sahu, L. (2017). Malignant mixed mullerian tumor of ovary-scrape cytology: Findings with review of literature. *Journal of cytology*, 34(2), 125.
- Gupta, A. J., Singh, M., Yadav, S., Khurana, N., Jain, S. L., Chawla, R. ... & Mishra, A. (2017). Phaeohyphomycosis breast masquerading as fibroadenoma in a young teenage girl. *Diagnostic cytopathology*, 45(10), 939-942.
- Gupta, B., & Jain, S. (2018). Perianal nodule due to Enterobius vermicularis: Cytomorphological spectrum on fine needle aspiration cytology with a review of literature. *Tropical parasitology*, 8(1), 53.
- Gupta, L., Bhatt, A. S., Mallya, V., Khurana, N., & Lal, P. (2018). Adrenal medullary hyperplasia with coexistent cerebral angiomas. *Indian Journal of Pathology and Microbiology*, 61(4), 587.
- Gupta, R., Saxena, P., Garg, R., (2017). A rare case of non secretory plasma cell leukemia with unusual morphology and aberrant expression of CD23 and CD56. *J Hematol Transfus*. 5(1), 1058.
- Gupta. B., Arora, P., Gupta, R., Khurana, N., (2018). T-acute lymphoblastic leukemia/lymphoma, an unexpected cause of sudden death" - *journal of Indian academy of forensic medicine*. (Accepted under publication March 2018).
- Jain, A., TN, P. K., Ghuliani, D., Kumar, L., & Arora, P. (2018). A typical presentations of a common endemic disease: A series of 3 cases of filariasis. *International journal of scientific research*, 6(12).
- Khuraijam, B., Saxena, P., Khurana, N., & Negi, S. (2017). Periductal stromal sarcoma of the breast with coexistent tuberculous mastitis. *Journal of mid-life health*, 8(3), 142.
- Kumar, A., Hatwal, D., Batra, N., & Verma, N. (2018). Role of nm23H1 in predicting metastases in prostatic carcinoma. *Indian Journal of Pathology and Microbiology*, 61(1), 70.
- Rath, A., Singh, S., Singh, D., Parakh. N. (2018). Compound Heterozygotes haemoglobin lepore/beta thalassemia presenting as non transfusion dependent thalasesemia: a brief report and review of literature with Indian perspective. *E ejpmr*, 5 (6), 612-16.
- Rathi, R, Jain, A, Mandal, S, Khurana, N, Tripathi, R. (2018). Giant chorangioma presenting with an absent foetus: a mystery. *J Obstet Gynaecol*. 5, 1-2.
- Rathi, R., Gupta, A. J., Mandal, S., Khurana, N., Tripathi, R. (2017). Chorangioma presenting with an absent fetus: A mystery! [Accepted in *Journal of Journal of Obstetrics and Gynaecology*].
- Sagar, N., Arora, P., KHURANA, N., & Passey, J. C. (2018). Ruptured and Inflamed Epidermal Inclusion Cyst of Tongue-A Case Report. *Journal of Clinical & Diagnostic Research*, 12(8).
- Sardana, K., Bansal, S., Garg, V. K., & Khurana, N. (2017). Treatment of nevus lipomatosus cutaneous superficialis with CO 2 laser. *Journal of cosmetic dermatology*, 16(3), 333-335.
- Sardana, K., Chugh, S., Ranjan, R., & Khurana, N. (2017). Lupus miliaris disseminatus faciei: A resistant case with response to cyclosporine. *Dermatologic therapy*, 30(4), e12496.
- Sarika Singh, Ashutosh Rath, Surekha Yadav. (2018). Primary plasma cell leukemia: case report and review of literature. *Sultan Qaboos University Medical journal*.
- Sharma, M., Khangar, B., Mallya, V., Khurana, N., Gupta, S. (2017). Coexisting Brenner Tumor and Endometrial Carcinoma. *J Midlife Health*, 8(2). 89-91.
- Sharma, M., Mallya, V., Khurana, N., Kumar, P., & Duggal, R. (2017). Lymphovascular Malformation—A Report of Two Cases. *Journal of clinical and diagnostic research: JCDR*, 11(5), ED03.
- Singh, S., Ansari, M. K., Agarwal, K., & Thomas, S. (2018). Kimura's disease masquerading as breast malignancy. *Journal of International Research in Medical and Pharmaceutical Sciences* 12(2), 66-72.
- Vats, M, Sachan, V, Prajapati, S, Mandal, S. (2018). Triple receptor positive primary neuroendocrine carcinoma of breast in a young patient. *BMJ Case Rep*. Jan 4.
- Yadav, P., Masroor, M., Nandi, K., Kaza, R. C. M., Jain, S. K., Khurana, N., & Saxena, A. (2018). Promoter Methylation of BRCA1, DAPK1 and RASSF1A is Associated with Increased Mortality among Indian Women with Breast Cancer. *Asian Pacific journal of cancer prevention: APJCP*, 19(2), 443.
- Yadav, S., Maheswari, B., Sagar, N., Mallya, V., Khurana, N., & Gupta, S. (2017). Broad Ligament Lipoleiomyoma Masses: Two curious cases masquerading as ovarian carcinomas. *Sultan Qaboos University medical journal*, 17(4), e477.

Yadav, S., Singh, S., Khurana, N., & Rathore, P. K. Polypoidal Mucoepidermoid Carcinoma of Soft Palate: an incidental finding in a Child. *European Journal of Pharmaceutical and Medical Research*

Yadav, S., Tomar, R., Verma, N., Khurana, N., & Triathi, R. (2017). Struma ovarii with pseudo-Meigs' syndrome and raised cancer antigen-125 levels masquerading as an ovarian carcinoma case report and literature review. *Sultan Qaboos University Medical Journal*, 17(2), e229.

Yadav, S., Verma, N., Khurana, N., & Neogi, S. (2018). Recurrent Dermatofibrosarcoma Protuberans with Pigmentation and Myoid Differentiation. *Sultan Qaboos University Medical Journal*, 18(2), e228.

Number of department teachers serving as Editors/member of editorial board- 1

Research projects

Ongoing intramural projects

Genotypic subclassification of Diffuse large Bcell lymphoma by expression of Myc, Bcl2 and Bcl6 in a tertiary health care centre. By Dr Sarika Singh, 1.5 LAKH

Correlation of P16 And Galectin 1 And 3 Expression In Dysplasias And Squamous Cell Carcinomas of Buccal Mucosa by Dr Shramana Mandal.

Distribution of interstitial cells of cajal (ICC) in Hirschsprung disease: An Immunohistochemical study. By Prerna Arora.

Role of Cancer Stem cell markers CD44, CD133 and CD49f in Triple negative breast cancers and their association with histological grade, angiogenesis and metastasis. By Dr Reena Tomar.

Morphological and Immunohistochemical study of fallopian tubes in ovarian serous tumours. By Dr Varuna Mallya.

Extramural project

“To study the effect of Rajayoga Meditation on Psychological health and Cognition of Medical Students. Under DST.-By Dr Reena tomar. Funding: project accepted and financial grant sanctioned by DST.

Conferences organised

Quarterly Meet of Delhi Society of Hematology March 2018

Seminars /Conferences presentations

Posters /oral presentations

Utility of FNAC in dermatological Manifestations of Metastatic Cancers. Gupta B, Singh V, Mallya V, Jain. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept. 16th, 2017.

Cytological Evaluation of Pericardial Fluid: A FiveYear Experience at Tertiary Health Care Centre. Yadav S, Singh M, Singh P, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi,Sept. 16th, 2017.

Infarct in Fibroadenoma - A Diagnostic Dilemma on Cytology. Chaudhary D, Agarwal R, Rath A, Mandal S, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi,Sept. 16th, 2017.

Uterine Carcinosarcoma Diagnosed on Cytology– A Case Report. Goswami S, Agarwal,RVerma N, Jain S, Singh M. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept.16th, 2017.

Role of Fine Needle Aspiration Cytology in the Diagnosis of Pilomatricoma: A Case Series Kumar R,Murthy W, Verma N, Tomar R, Jain S. 6th Annual Conference of ‘Delhi Chapter- Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept.16th,2017.

CLL/SLL Presenting as a Thigh Mass - A Rare Case Report. Singh V, Chaudhary D, Kushwaha P, Agarwal R, Gupta

R, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept. 16th, 2017.

A Diagnostic Dilemma of Fibromatosiscolli mimicking Rhabdomyosarcoma: An Approach to Cytological Diagnosis. Priyadarshinee B, Agarwal R, Varma N, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept.16th, 2017.

Pot pouri Case presentation 'Young Woman with Breast Lump', Agarwal R, Jain S, Mandal S, 6th Annual Conference of 'Delhi Chapter-Indian Academy of Cytologists', GTBH at RML PGIMER, New Delhi, Sept. 16th, 2017 .

Cytological Spectrum of minor salivary gland tumors. A Retrospective study. Singh M, Yadav S, Tiwari SK, Jain S, Khurana N, Mandal S, meher R. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Primary Retropharyngeal Tubercular Abscess – A rare presentation. Rabish Kumar, Gupta B, Arora P, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017,

Role of USG guided FNAC in the diagnosis of Intraabdominal and retroperitoneal mass lesions: Experience of an Indian metropolis. Gupta B, Chaudhary D, Singh V, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

An Audit of USG guided FNAC of Supradiaphragmatic Lesions- A 5 years study. Yadav S, Singh M, Balhara K, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Cytological Spectrum of fibroadenoma. Some usual and some unusual features. Chaudhary D, Gupta B, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Role of Fine needle aspiration cytology in the diagnosis of Malignant Bone tumors. Sailo S, Role of Fine needle aspiration cytology in the diagnosis of Malignant Bone tumors. Sailo S, Jain S, Khurana N, Gautam VK. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Carcinoma of uterine cervix metastasizing to arm. Dhankar N, Gupta B, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017

Non Hodgkins lymphoma – floor of mouth. Dhar L, Gupta B, Singh V, Mallya V, Gupta R, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Pure red cell aplasia as clinical presentation in a case of High grade Non Hodgkins lymphoma - A Coincidental finding . Gupta K, Singh S, Arora P, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Clinicohematological profile of patients with subleukemic leukemia, a 5 year study. Dr Kirti Balhara 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

CD34 expression in ALL and its correlation with aberrant antigen expression and other prognostic markers. Dr Neelakshi Goyal 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Talaromyces Marneffei infection in Delhi. Dr Bhagyashree Priyadarshini 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Plasma cell Leukemia -A coincidental finding presenting as chest pain. Dr Sarika Singh, Ashutosh Rath at 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Spectrum Of Anemias In Infants Presenting To A Tertiary Care Center Of Delhi. Deepika, Gupta R, Rath A at 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam

Myelofibrosis. Spectrum in bone marrow fibrosis Kirti Balhara , Sarika Singh , Barkha Gupta, Latika Gupta, Perna Arora, Richa Gupta, Meeta Singh, Nidhi Verma, Reena Tomer at DSH, Dec 2017.

Utility of various indices in differentiating thalassemia from iron deficiency anaemia in resource limited laboratories. Dr Vishal at DSH Dec 2017

Dr Varuna Mallya presented a Poster on Xylene free staining in histopathology- is it practical and possible? At APCON (National Conference of IAPM,) Bhopal, Dec. 8th-10th, 2017.

Etiological spectrum of intestinal obstruction. A 5 year study By Dr Sneha At APCON (National Conference of IAPM) at Bhopal, December 8th to 10th, 2017.

Extensive bone marrow necrosis secondary to neuroblastoma. Dr Shruti At DSH 2017.

Expression of CD10, factor VIII , VEGF in Phyllodes tumor By Dr Pritika (as oral paper) At APCON (National Conference of IAPM) at Bhopal, Dec. 8th-10th, 2017.

Dr Shyama Jain had delivered a guest lecture at 'Infectious Lesion of Lymph Nodes' in 47th Annual Conference of IAC 'CYTOCON 2017', 10-13th Nov 2017, NEIGRIHMS, Shillong, Nov. 10th-13th, 2017 .

Dr Shyama Jain had delivered a guest lecture at 'CYTOLOGY OF LYMPHOID LESIONS' in preconference CME 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017.

Dr Shyama Jain has chaired session a in CME Clinicopathological Conference Pediatric Gastrohepatopathology", Fortis Okhla, New Delhi, Sept. 3rd, 2017.

Dr Shyama Jain had delivered a guest lecture on respiratory pathology at CME SGRH, Feb., 2018.

Dr Nita Khurana has delivered guest lecture on "Role of tumour markers in oncology" at MAMC Midterm CME organised by Department of Medicine, MAMC, Oct., 29th, 2017.

Dr Nita Khurana delivered guest lecture on "Immunohistochemistry of soft tissue tumours" at Preconference CME at APCON- Annual conference of Indian Association of Pathologists and Microbiologists at Bhopal, Dec., 6th, 2017.

Dr Nita Khurana has delivered guest lecture on "Pathology of infectious diseases – Case based approach" at MICRODCON – Delhi chapter of Microbiologists held at India Habitat Centre, Dec., 8th, 2017.

Dr Nita Khurana delivered guest lecture on Immunohistochemistry in Soft tissue Lesions - Case based approach. At CME in Oncopathology organised By ESI Medical College, Faridabad, March 17th, 2018.

Dr Nita Khurana delivered guest lecture on Diagnostic approach to Pediatric Small round cell tumours At Pediatric Surgery Update organised by Pediatric surgery department, MAMC on March 24th, 2018.

Dr Nita Khurana delivered guest lecture on Chaired session on fetal Autopsy and Placental Pathology at 3rd MFM Workshop organised by Department of Obstetrics and Gynecology, Maulana Azad Medical College, Feb. 10th, 2018.

Dr Nita Khurana moderated a session in the slide seminar on Evolving concepts and Diagnostic Challenges in pathology of Luminal gastrointestinal tract held At GIPMER on Feb. 17th, 2018.

Dr Prerna Arora has delivered a guest lecture on biomedical waste at Hamdard Institute of Medical Sciences and Research, Jamia Hamdard University in March 2018 New Delhi.

Dr Sarika Singh has delivered guest lecture on genotypic subclassification of DLBCL Quarterly meet DSH MAMC, March 2018.

Students under exchange program

Dr. Pinki, Specialist Pathologist, Sponsoring Agencies (ESI Hospital), One month training on Immunohistochemistry.

Extension and outreach activities

1. Department of Pathology is involved in Health services to the community. Department being the nodal center receives samples of Stree Shakti Programme and Cancer Control Programme from various camps held in Delhi and routinely samples from cancer diagnosis from other Delhi Government hospitals for processing and reporting.
2. B.SC MLT students of Delhi Govt Institutes routinely undergo practical training in the various B.Sc Slabs of pathology department. Regular Histopathology Microscopy slide sessions for the postgraduate students of Dermatology and Forensic Medicine Are being held weekly.
3. CPC are regularly organised in collaboration with Department of Medicine, Department of Surgery and Department of Otorhinolaryngology.

Conferences/workshops/symposiums attended

The 66th Annual Conference of IAPM, APCON held at Bhopal, Dec. 8th- 10th, 2017 was attended by Dr Nita Khurana, Dr Varuna Mallya, Dr Sneha, Dr Pritika

The 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10th-13th, 2017 was attended by Dr Shyama Jain, Dr Meeta Singh, Dr Barkha Gupta, Dr Lity Dhar, Dr Rabish Kumar, Dr Dimple, Dr Sangi, Dr Kanika, Dr Nimisha

Haematocon at Guwahati, Nov. 2nd-5th, 2017 was attended by Dr Sarika Singh, Dr Bhagyashree, Dr Neelakshi, Dr Kirti, Dr Deepika

The 33rd Annual Conference (DAPCON-18), of IAPM- Delhi Chapter held by Department of Pathology, Vardhman Mahavir Medical College and Safdarjung Hospital and National Institute of Pathology, New Delhi on Feb. 25th, 2018 was attended by Dr Nita Khurana, Dr Sarika Singh, Dr Prerna Arora,

DrShramanaMandal, DrMeeta Singh, Dr Khuraijam Bembem,, DrSangi, DrNeelakshi, DrNishant, DrNeelam, DrKirti, DrPritika

6th Annual Conference of 'Delhi Chapter-Indian Academy of Cytologists', GTBH at RML PGIMER, New Delhi, Sept. 16th 2017, was attended by :DrShyama Jain, DrNidhiVerma, DrSarika Singh, DrShramanaMandal, DrMeeta Singh, DrBarkha, Dr Dimple, DrRabish, DrBhagyashree, DrSneha, DrRadhika

The Quarterly Delhi Chapter of IAPM was attended by Dr Nita Khurana, DrNidhiVerma

The quarterly meetings of Delhi Society of Hematology and Blood transfusion was attended by DrNita Khurana,Dr Sarika Singh,Dr Perna Arora

28 TH Annual Conference DSH, Dec 2017 was attended by : DrSarika Singh, DrPerna Arora, Dr Vishal, Dr Kirti

Indian Myeloma congress Jan 2018 was attended by Dr sarika singh and Dr Perna arora

Quarterly meet DSH MAMC, March 2018

CME oncopathology update ESI Faridabadon 17.3.18 attended by Dr Perna Arora, Dr.Meeta Singh and Dr Nidhi Verma.

Faculty strength -11

PATHOLOGY (UCMS)

The Department is striving to attain excellence in undergraduate and postgraduate teaching. PG's are encouraged to undertake research, participate in conferences and present scientific papers. The faculty members are engaged in active research. To ensure adequate patient care, several new tests have been added. The turnaround time for reporting is short thus facilitating diagnosis and ensuring prompt treatment. The medical and nonteaching staff work together to make this possible.

Honours/ Distinctions

Awards

Dr. Sonal Sharma: Received International Society of Nephrology-ANIO Clinical Nephropathology Certificate. 2017

Awards won by PG's under supervision of Dr. Neelam Wadhwa & Dr. Vinod K. Arora:

Dr. Tanvi Arora (Nalini Bai Thakkar Award for best paper:National Cytology conference November 2017 and Asticon Scholarship November 2017

Dr. Taruna Bansal: APCON-Oral Paper – Ist, December 2017.

Publications

Gogia, A., Sikka, M., Sharma, S. (2017). Asymptomatic prolongation of APTT in patients with multiple myeloma. *International Journal of Current Advanced Research*. 6, 6843-6845.

Sikka, M. HPLC in the diagnosis of thalassemias and hemoglobinopathies: Uses and limitations. *Proceedings of the 10th Annual conference of practicing Pathologists of Haryana*. Feb 2018.

Sikka, M., Singh, A. The 2016 WHO revision of myeloid neoplasms. *Proceedings of CME on Oncopathology: An update* March 2018

Puri, V., Sharma, P., Gopalakrishnan, S., Sikka, M., Avasthi, R. (2017). Hypercalcemia, multiple osteolytic lesions, and acute renal failure: a rare presentation of B-cell acutelymphoblastic leukemia. *Blood Research*. 52, 62-63.

Narang, N., Rusia, U., Sikka, M., Kotru, M. (2017). Morphological changes in bone marrow post Imatinib therapy in chronic phase CML: A follow up study on sequential bone marrow aspirates and biopsies. *Journal of Clinical and Diagnostic Research*.

Sharma, A., Sikka, M., Bhankar, H., Gomber, S., & Sharma, S. (2017). Haematological parameters and screening tests of haemostasis in children with sepsis: results from a tertiary care centre in India. *Malaysian Journal of Pathology*, 39(2).

Sikka, M., Sodhi, R., Kotru, M., Gurubachan, N. (2017). Severity of injury as assessed by Glasgow coma score and coagulopathy in patients with isolated head trauma. *Indian Journal of Current Advanced Research*, 6(10), 6643-6645.

- Sharma, A., Gogoi, P., & Arora, V. K. (2017). Myoepithelial carcinoma of the tongue-spindle cell morphology with high mitosis: A case report and review of literature. *Indian Journal of Pathology and Microbiology*, 60(4), 560.
- Wadhwa, N., Diwaker, P., Lotha, N., Arora, V. K., & Singh, N. (2017). Cytokeratin 20 immunocytochemistry on urine sediments: A potential low-cost adjunct to cytology in the diagnosis of low-grade urothelial carcinoma. *Cytopathology*, 28(6), 531-535.
- Goyal, S., Arora, V. K., Joshi, M. K., Singh, N., & Radhakrishnan, G. (2017). Intestinal GIST masquerading as an ovarian mass: Diagnosed on FNAC. *Journal of cytology*, 34(3), 159.
- Sharma, A., & Arora, V. K. (2018). Tuberculosis of Lip—an Unusual Presentation. *The American Journal of Dermatopathology*, 40(3), 224-225.
- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
- Kumar, H. B., Khan, A. M., Arora, V. K., & Singh, N. (2017). Fine needle aspiration biopsy: An entrustable professional activity in cytopathology postgraduate training. *Journal of cytology*, 34(2), 84.
- Rathore, R., Arora, D., AgARwAL, S., & ShARmA, S. (2017). Correlation of foxl2 with inhibin and calretinin in the diagnosis of ovarian sex cord stromal tumors. *Turkish Journal of Pathology*, 33(2), 121-128.
- Puri, V., Gandhi, A., & Sharma, S. (2017). Renal biopsy in paroxysmal nocturnal hemoglobinuria: An insight into the spectrum of morphologic changes. *Indian journal of nephrology*, 27(4), 284.
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- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
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Sidam, D., Gogoi, P., Diwaker, P., & Murry, W. T. Hereditary Elliptocytosis-A Case Report.

Sharma, A., Gogoi, P., Arora, R., Haq, R. U., Dhammi, I. K., & Bhatt, S. (2018). Aggressive osteoblastoma of the acetabulum: A diagnostic dilemma. *Journal of clinical orthopaedics and trauma*, 9, S21-S25.

Sharma, A., Gogoi, P., & Arora, V. K. (2017). Myoepithelial carcinoma of the tongue-spindle cell morphology with high mitosis: A case report and review of literature. *Indian Journal of Pathology and Microbiology*, 60(4), 560-561.

Ahuja, S., Tanveer, N., Haflongbar, T., & Arora, V. K. (2018). Cytological findings of a rare case of transitional cell carcinoma bladder presenting with supraclavicular lymphnode metastasis. *Journal of cytology*, 35(2), 129.

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Tanveer, N. (2017). Open access and other challenges of Present Day Journal Publishing. *Journal of cytology*, 234(5).

Jha, A., Agrawal, V., Tanveer, N., & Khullar, R. (2017). Metaplastic breast carcinoma presenting as benign breast lump. *Journal of Cancer Research and Therapeutics*, 13(3), 593.

Chopra, N., & Tanveer, N. (2017). An atypical presentation of alveolar soft part sarcoma of tongue. *Journal of laboratory physicians*, 9(3), 220.

Tanveer, N. (2017). Controlling Human Papilloma Virus: A Public Health Perspective of Treatment of Anogenital Warts. *The oncologist*, 22(5), 495-496.

Bhardwaj, N., Diwaker, P., Gogoi, P., Wadhwa, N., & Mishra, K. (2017). Ichthyosis Uteri Associated with Endometrial Adenocarcinoma: A Case Report. *Journal of clinical and diagnostic research: JCDR*, 11(6), ED24.

Kumar, C., Jain, P., Wadhwa, N., Diwaker, P., & Panikar, K. N. (2017). Nosocomial Jejunal Mucormycosis-an Unusual Cause of Perforation Peritonitis. *Iranian journal of pathology*, 12(3), 295.

Narang, N. C., Diwaker, P., Narang, S., & Venugopal, V. K. (2018). Low-Grade Central Osteosarcoma: Report of Two Unusual Morphologic Variants. *Indian journal of surgical oncology*, 9(1), 74-78.

Rawat, A., Diwaker, P., Gogoi, P., Singh, B. (2017). Prevalence and changing trends of transfusion transmitted infections amongst blood donors in a regional blood transfusion centre. *Indian J Med Res*. 146(5), 642-645.

Singh, A., Diwaker, P., & Kaur, N. (n.d.). Primary Renal Leiomyosarcoma: A Case Report.

Dhakar, S., Diwaker, P., Sharma, M., Barman, S., & Mishra, K. (n.d.). Comparison of efficacy of various stains and immunohistochemistry in diagnosis of amoebic colitis.

Srivastava, R., Diwaker, P., Gogoi, P., & Singh, B. (n.d.). An audit of the demographic profile of deffered blood donors for analysis of donor defferal pattern in regional blood transfusion centre in Delhi. *Age*, 18, 65.

Chopra, N., Diwaker, P., Narang, S. (2018). Multiple cutaneous metastasis of sacral chordoma, mimicking neurofibromas clinically. *Annals of Pathology and Laboratory Medicine*. [Accepted].

Chapters in books

Sikka M. (2017). Approach to a patient with bleeding disorder. In Dawar S, More S, Kotru M. Porphyria, (Eds.). *Hematology Pearls 2017: An Approach to diagnosis* (pp.44-59).

Faculty Members: 10

Other Significant Information

Name of the students/residents who have attained distinctions in various university examinations/national or international conferences:

Dr Taruna Bansal won the best oral paper award at the Annual Conference of Indian Association of Pathologists and Microbiologists 2017 organised by Gandhi Medical College Bhopal for her oral paper titled-“Prognostic Implication of YB1 expression in breast cancer : A therapeutic target in Her2 neu over expressing tumors.” The co-authors for this paper were- Dr.Usha Rani Singh, Dr.Sonal Sharma, Dr.Nadeem Tanveer (Deptt of Pathology) and Dr. Navneet Kaur (Deptt of Surgery)

Dr Tanvi Arora won the Nalini Bai Thakkar award for best oral paper in 47th Annual Cytology Conference, NEIGRIHMS for paper”Anal cytology spectrum in subjects practicing receptive anal intercourse and hTERT gene expression in cases with squamous lesions.” The co-authors of the paper were Dr N Wadhwa, Dr VKArora, Dr Preeti Diwaker (Path) and Dr Deepika Pandhi(Dermatology)

Special Grants/Projects during the Year

Dr. Sonal Sharma: To study the role of Type I regulatory T cells in skin in patients with Pemphigus vulgaris during acute disease and remission, 2017-18, UGC, 14,20,000.

Funded Projects Completed during the Year:

Dr. Preeti Diwaker: Screening of deferred blood donors for microcytosis: an initiative towards increasing pool of voluntary donors, ICMR Funded STS Project

Dr Priyanka Gogoi: Evaluation of Hofbauer cells using CD68 to compare their role in normal and ectopic gestation. ICMR Reference ID 2017-00519. ICMR

PEDIATRICS (LHMC)

Publications

Dubey B, Choudhary A, Nangia S, Sharma S & Kumar M. (2017). Effect of timing of umbilical cord clamping on neuro-developmental outcomes at 6-8 weeks of life in healthy term neonates. *Ind J Trauma & Em Ped.* 9(1), 9-14.

Seminars organised

Dr Bhawna, Recent advances in neonatal sepsis, SJ AUDITORIUM, LHMC, DELHI, KSCH CME, 26.2.17

USAID & KSCH, Quality improvement strategies for optimizing neonatal health care delivery, KSCH, 5.3.17, & 28-29.10.17

Symposium on CHD, Deptt of Pediatrics, Patent Ductus Arteriosus, LT, KSCH, 25.3.17

FBNC ,Deptt of neonatology, NEONATAL CARE, Deptt of neonatology, Deptt of Pediatrics & IAP, PG QUIZ on pediatrics, LT, KSCH, 6.10.17

PCNI, IAP Delhi (as executive member & faculty), PRETERM KIT, Aerocity, Delhi, 24.12.17

Conferences Organised

Organised VI Annual Conference of Delhi Chapter of Indian Academy of Cytologists (DCIAC), 16th September 2017

PAEDIATRICS SURGERY (LHMC)

Major Activities & Achievements

A six bedded postoperative recovery adjacent to Kalawati Saran Children's Hospital (KSCH) operation theatre was opened. With the availability of two more rooms in Pediatric Surgery ward, 8 more beds were added to increase the bed strength. The discharges are being digitalized with the availability of two new data entry operators. Seven scientific papers were presented at Annual conference of Indian Association of Pediatric Surgeons (IAPS) at Kolkata conducted in September 2017. Of these, Five papers were judged as “Best paper” in their respective sessions.

Honours/Awards

Dr. S. Roy Choudhury, was elected as President of Delhi chapter Indian Association of Pediatric Surgeons (IAPS)

Publications

Chadha R & Khan NA. (2017). Congenital pouch colon. *J Indian Association Pediatric Surgery*. 22(2), 69-78

Jhanwar P, Rassiwalla M, Patel Jigar N, PS Yadav PS & Chadha R. (2017). Multiple Jejunal Atresia with Multiple Small Bowel Mesenteric Diverticuli. *Journal of Medical Diagnostic*.

Jigar N Patel, Amit Kumar, Partap S Yadav, Rajiv Chadha, Vikram Datta & Choudhury, Subhasis Roy. The position of the anal dimple in newborns and infants with anorectal malformations and its correlation with the normal anal position. (Accepted for publication in *J Pediatric Surgery*, Nov. 2017).

Khan NA, Roy Choudhury S, Yadav P. S, Prakash R, & Patel J. N. (2017). Role of nasogastric tube in children undergoing elective distal bowel surgery. *Pediatric Surgery*. 33, 229-234.

Prakash R, Puri Archana, Anand R, Jain AK, Lal B, & Garg V. (2017). Predictors of upper tract damage in pediatric neurogenic bladder. *J Pediatr Urol*, 13, 1-7.

Prakash Raghu, Puri Archana. (2017). An unusual case of dysphagia in children: Gastrointestinal manifestation of epidermolysis bullosa. [Accepted for publication in *Ind J Med Res* 2017].

Puri Archana, Sikdar S, & Prakash R. (2017). Pediatric and glans anthropometry nomograms: An aid in hypospadias management. *J Indian Association Pediatric Surgery*. 22, 9-12

Roy Choudhury S, Khan NA, Saxena R, Yadav PS, Patel Jigar N, & Chadha R. (2017). Protocol based management of 154 cases of pediatric liver abscess. *Pediatric Surgery*. 33(2), 165-172.

Shinde NK, Kumar P, Dabla PK, Jhanwar P, Chadha R, & Choudhury S. R. (2017). Assessment of nutritional status of patients of congenital pouch colon following definitive surgery. *J Indian Association Pediatric Surgery*. 22, 13-8.

Subhasis Roy Choudhury, Niyaz Ahmed Khan, Pinaki Ranjan Bebnath, Partap Singh Yadav, Shalu Shah, & Rajiv Chadha. (2017). Anorectal Agenesis with Rectovaginal Fistula: A Rare/Regional Variant. *J Indian Association Pediatric Surgery*. 22, 79-82.

Research Projects

Name of Investigator: Dr. Shalu Shah

Project Incharge: Dir. Prof Subhasis Roy Choudhury

Title of the Project Scheme: Role of antenatal surgical counselling for antenatally detected structural malformations.

Name of funding agency: C.S.I.R

Seminars Organised

Faculty Member/Organisers: S. Roy Choudhury, Rajiv Chadha, Archana Puri, Partap S Yadav, Vikram Khanna, Amit Gupta, Name, Venue & Date: Workshop on Stoma Care, Ped. Surgery Seminar Room, KSCH, New Delhi, Feb. 4th, 2017,

Faculty Member/Organisers: S. Roy Choudhury, Rajiv Chadha, Archana Puri, Partap S Yadav, Vikram Khanna, Amit Gupta, Name, Venue & Date: Workshop on Energy Sources, Ped. Surgery Seminar Room, KSCH, New Delhi, April 8th, 2017

Conference Presentations

Dr. S. Roy Choudhury: Presented paper on "A novel technique of tapering for congenital pouch colon", British Association of Pediatric Surgery Annual Meeting, London, July 19th-23rd, 2017.

Dr. Vikram Khanna/S. Roy Choudhury: Presented a paper on "Epidemiology of pediatric solid tumors and their management challenges faced in a tertiary public hospital in India", 49th SIOP 2017, Washington DC, USA, Oct. 12th-15th, 2017.

Dr. Amit Gupta: Attended International Pediatric & Adolescent Urology Workshop & chaired an operative session, Dept. of Pediatric Urology, SGPGIMS, Lucknow, March, 3rd - 5th, 2017

S. Roy Choudhury delivered lecture on Laparoscopic Orchidopexy, Delhi SURGICON 2017, Research meeting of IAPS 2017.

S.Roy Choudhury delivered CME lecture - Cystoscopic procedures in children, R&R Hospital, Delhi, Army R&R Hospital Delhi, Oct. 2017.

S.Roy Choudhury delivered lecture on “Fetal clinic- Role of Pediatric Surgeon, Research section IAPS, Research meeting of IAPS, PGIMER, Chandigarh, Dec. 16th, 2017

S.Roy Choudhury delivered lecture on Posterior urethral valves, Asian Society of Pediatric urology and Indian society of Pediatric urology AIIMS, New Delhi, Dec. 2017.

S.Roy Choudhury gave a Guest Lecture on “Esophageal Substitution”, Dept. of Pediatric Surgery MAMC 2018, 10th Pediatric surgery update MAMC, New Delhi, Feb., 2018.

S.Roy Choudhury gave a Guest Lecture on “Abdominal wall defect”, Dept. of Pediatric Surgery MAMC 2018, 10th Pediatric surgery update MAMC, New Delhi, Feb., 2018.

S.Roy Choudhury was Member in Panel Discussion in NARCHI, NARCHI 2017, LHMC, Oct. 17th, 2017.

S.Roy Choudhury demonstrated Laparoscopic pull through for High ARM, Delhi chapter of PESI, PESICON Workshop 2018 Apollo Hospitals, Delhi, Feb., 2018.

S.Roy Choudhury Chaired a session, PESICON 2018, Apollo Hospitals, Delhi Feb. 2018.

S.Roy Choudhury Chaired a Session on Molecular biology Research in pediatric surgery, ISPR 2017, ISPR, New Delhi, Sept. 7th-9th, 2017.

S.Roy Choudhury presented paper on safety & efficacy of day care surgery in children, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21st-25th, 2017.

S.Roy Choudhury Chaired a session in IAPSCON 2017, Kolkata chapter of IAPS, IAPSCON 2017, Sept. 21st-25th, 2017.

Rajiv Chadha delivered a Guest Lecture on “Acute abdomen- a surgeon’s perspective”, UP- Uttarakhand chapter of the IAPS, JN Medical College, Aligarh Muslim University, April 15th, 2017.

Rajiv Chadha delivered a Guest lecture on “Congenital Pouch colon”, Annual Conference & 10th Pediatric surgery update, 10th Pediatric surgery update MAMC, New Delhi, Feb. 2018.

Rajiv Chadha presented paper on Clinical Pointers- Congenital Pouch Colon in girls, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21st- 25th, 2017.

Archana Puri Guest Lecture on “Esophageal Atresia”, Dept. of Pediatric Surgery, MAMC, New Delhi, Annual Conference & 10th Pediatric surgery update on 25th year celebration of the Department of Pediatric Surgery, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Neurogenic Bladder”. Dept. of Pediatric Surgery, MAMC, New Delhi, Annual Conference & 10th Pediatric surgery update on 25th year celebration of the Department of Pediatric Surgery, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Pediatric Germ Cell Tumour”, Delhi Chapter of Indian Association of Pediatric Surgeons, Annual Conference of Delhi Chapter of Indian Association of Pediatric Surgeons at Sir Ganga Ram Hospital, New Delhi, Nov. 19th, 2017.

Archana Puri Guest Lecture on “Contemporary management of bladder exstrophy”, Dept. of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi, Asian Society of Pediatric urology & Indian society of Pediatric urology, Dec. 23rd 2017.

Archana Puri Guest Lecture on “Functional Voiding Dysfunction”, Department of Pediatric Surgery, MAMC, New Delhi, Pediatric Urodynamics Workshop 2018, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Post-operative care of surgical newborn”, Department of Nursing, KSCH, New Delhi, CNE, KSCH Dec 2017 & 2018.

Archana Puri Paper Presentation at Kolkata chapter IAPS, IAPSCON 2017 Kolkata Sept. 2017.

Archana Puri Paper Presentation-“Multivariate analysis of newborn surgical mortality”, International Society on Pediatric Surgical Research, ISPR 2018 Delhi, India.

Partap S Yadav Stoma care & management of complications CNE, KSCH, New Delhi, April 2017.

Partap S Yadav Quality improvement in existing resources, Workshop on strategies in quality improvement, KSCH, New Delhi, April 2017.

Partap S Yadav Demonstrated Laparoscopic pill through for High Arm (LAARP), Delhi chapter of PESI, PESICON Workshop 2018 Apollo Hospitals, Delhi, Feb., 2018.

Vikram Khanna delivered a lecture on “Urodynamics Studies” and on “Modern Management of Neurogenic Bladder”, Dept. of Pediatric Surgery, All India Institute of medical sciences, New Delhi, Asian Society of Pediatric urology & Indian Society of Pediatric urology on Dec. 23rd 2017.

Vikram Khanna Delivered a lecture on “Cystic Neck Lesions”, Dept. of Pediatric Surgery, MAMC, New-Delhi, 10th Pediatric surgery update February 2018.

Vikram Khanna delivered a lecture on “Cystometry”, Dept. of Pediatric Surgery, MAMC, New-Delhi, Pediatric Surgery Urodynamics Workshop 2018 MAMC, New Delhi, Feb., 2018.

Vikram Khanna Quality improvement in existing resources, Workshop on strategies in quality improvement, KSCH, New Delhi, April 2017.

Vikram Khanna presented Papers on “New Surgical parameters in PUJO” & “Successful resection after chemotherapy in Hepatoblastoma patients”, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21st-25th 2017.

Amit Gupta presented paper on “Outcome of post-natal surgery in antenatally detected thoracic & abdominal malformations”, Kolkata chapter of IAPS, IAPSCON 2017 Kolkata, Sept. 21st-24th 2017.

Amit Gupta assisted Prof. Rajiv Chadha in writing a chapter on “Common Pediatric Surgical Problems” For PG Diploma in Maternal and Child Health - one year programme since 1998, 3rd revision January 2018.
Placement Details of Ex-Students:

Other Significant Information

Dr. Shalu – Selected for the post of Assistant Professor in UPSC direct recruitment interview for teaching cadre, conducted in June 2018

Faculty Strength: 6

Other Significant Information

Students with Distinctions

Veena Taluja medal for best research paper was awarded to Dr. Ravikesh Kumar (MCh. post-graduate) for his thesis on “Safety and efficiency of day care surgery in children” at the annual conference of KSCH.

PHARMACOLOGY (LHMC)

Major activities and achievements

In the period from 1st April 2017 to 31st March 2018, the department has contributed significantly for progress of the discipline. The faculty and post graduate students of the department presented papers in national and international conferences. A total of 7 research papers have been published in peer reviewed PUBMED indexed national and international journals. Dr. H.S Rehan, Director-Professor and Head of the department, served as a member of subject expert committee of CDSCO in various disciplines, dissection monitoring committee of UGC. Dr. Lalit Kumar Gupta, Director-Professor of the department, served as a member of subject expert committee of CDSCO in various disciplines. The department in collaboration with IPC Ghaziabad is participating in the Pharma covigilance Programme of India and is regarded among the top five national centres in terms of adverse drug reaction monitoring.

Publications

Sah, R. K., Chandane, R. D., Krishna, Manocha S. & Kapur A. (2017). Knowledge, attitude and practice of pharmacovigilance among community pharmacists in Delhi, India. *Int J Basic Clin Pharmacol*, 6, 618-23

Yuwnate, A. H., Chandane, R. D. & Sah, R. K. (2017). Impact of Acne and psoriasis on patient's quality of life: A multicentre study from health-care centers in Wardha district. *Natl J Physiol Pharm Pharmacol*, 7(5), 522-526.

Roy, T., Banerjee, I., Ghosh, S, Dhali, R. S., De Pati, A. & Tripathi, S. K. (2017). Effects of co-treatment with pioglitazone and methotrexate on experimentally induced rheumatoid arthritis in Wistar albino rats. *Indian J Pharmacol*, 49, 168-75.

Rani, S. G., Chugh, P. K., Sah, R. K. Tripathi, C. D. (2017). Critical appraisal of drug promotional literature using World Health Organisation guidelines. *Int J Basic Clin Pharmacol*, 6, 2014- 9.

Sharma, V., Pangtey G. S., Gupta, R., Rehan, H. S., Gupta, L. K. (2017). Correlation of long-term glycemic control as measured by glycated hemoglobin with serum angiopoietin-like 6 protein levels in type 2 diabetes mellitus patients. *Indian J Pharmacol*, 49, 250-3.

Amirtha, R., Gupta, R., Rehan, H. S., Gupta, L. K. (2017). Impact of computer assisted learning as teaching modality on learning & understanding of Pharmacology among undergraduate medical students. *Indian J Physiol Pharmacol*, 61(2), 202–207.

Research projects

Dr. Lalit Kumar Gupta, Dr. H.S.Rehan, Dr.Anupam Prakash Changes in serum periostin levels in patients of bronchial asthma treated with inhaled corticosteroids-

A prospective study to explore the effect of statins of urinary excretion of aquaporin-2 in India adults. Guide and Co-guides: Dr. H.S. Rehan, Dr. LalitKumar Gupta, Dr. MadhurYadav.

Ongoing audit of prescriptions in both IPD/OPD of Lady Hardinge Medical College with appropriate interventional strategies Patient safety interventions through Pharma covigilance programme of India.

Seminar/conference presentations:

Indian Society of Rational Pharmacotherapeutics (ISRPT) Annual Conference, Aligarh (U.P.) 2017.

63rd Annual National conference of Association of Physiologists and Pharmacologists of India, JIPMER, Puducherry, Paper presented- Online Pharmacies: Consumer's awareness and behaviour. Oct. 12th-14th, 2017

National Conference of Indian Pharmacological Society at NMIMS at Mumbai Paper presented- Corticosteroids decrease serum Survivin, M30 apopto sense and CD28 and improve quality of life in patients of asthma, Feb. 15th-17th, 2018.

Guest Speaker in Symposia on "Pharmacovigilance and Adverse drug reaction" organised by Delhi heart & Lung Institute, New Delhi, April 6th, 2017.

Faculty in Workshop on "Research Ethics and Good Clinical Practices" organised by LHMC on 9th March 2017.

Faculty in Skill Development Programme, Ghaziabad Tools and Methods in Pharmacovigilance organised by PvPI, IPC, MoH & FW, May 2017 & Nov 2017.

Participated in Inter-country study to assess the inter-rater.....software organised by WHO, MCAZ & INCEN held at NOIDA, April 24th- 30th, 2017.

Participated Symposium of IADVL- Delhi State Branch on "Reconceptualizing management of Dermatitis in Elderly" LHMC, May 14th 2017.

Guest Speaker on "Therapeutic drug Monitoring" organised by Aditya Birla Memorial Hospital, Pune, Nov. 4th- 5th, 2017

Guest Speaker and presented "Expert consensus document on the management of Dyslipidemia" at ISRPTCON held at Aligarh, Nov. 20th- 21st, 2017.

Guest Speaker & Participant in the Debate "ARNI vs ARB" held at Aditya Birla Memorial Hospital, Pune organised by CSI Conference Pune Chapter, Jan. 20th- 21st, 2018.

Participated in Health Technology Assessment in National Conference on HTA, organised by PGI Chandigarh, Feb. 24th - 25th, 2018.

Resource person and presented "Recent Advances in Pharmacology" at XXV quality improvement Programme, held at DIPSAR Delhi. March 5th -9th, 2018.

Guest Speaker and presented Treatment "Guidelines for the management of Dyslipidemia" at IOM, Kathmandu, March 29th, 2018.

Number of PhD/M. Phil/ MD awarded:

MD (Pharmacology) awarded to one student.

Number of faculty Permanent/ Temporary/Ad hoc: 10**Any other significant information:**

The department in collaboration with IPC Ghaziabad is participating in the Pharmacovigilance Programme of India and is among the top five national centres in terms of reporting Adverse drug reactions.

PHARMACOLOGY (MAMC)**Major activities and achievements**

The Department of Pharmacology aims to provide a holistic, education experience for MBBS, BDS and post graduate students in Pharmacology. Towards which the teaching learning activities are being continuously monitored and improved upon. New learning activities were introduced in both the MBBS and MD programme of the Department. The Department is promoting rational use of medicines among health care providers. To promote rational use of medicines in Delhi Government health facilities, the Department conducted a 3rd CME and workshop on “Improving availability and rational use of medicines” for doctors working in health facilities under Government of NCT of Delhi. The Department is a recognised Adverse Drug Reaction monitoring center for the National Pharmacovigilance Programme of Government of India. To that end to increase awareness about pharmacovigilance among doctors, nurses and pharmacists a workshop was organised by the Department. The faculty is committed to teaching and research.

Honors & Distinctions

Dr. Vandana Roy received fellowship of FAIMER (Foundation for Advancement in Medical education and Research), Philadelphia USA, Regional Centre, Christian Medical College, Ludhiana.

Dr. Vandana Roy delivered the 11th Professor Nasim Ansari Oration, at the Ibn Sina Institute of Medieval Medicine & Sciences, Aligarh, April 7th, 2017.

Dr. Vandana Roy received a certificate of recognition from Delhi State Health Mission, Department of Health & Family Welfare, Government of NCT of Delhi for contributing to the development of Standard Operating Procedures SOPs for Pharmacy (07) for the hospitals of GNCTD Delhi in the year 2016-2017.

Publications

Agarwal, M., Ahmad, J., & Roy, V. (2017). Knowledge, attitude and practice of pharmacovigilance among health care providers of a tertiary care teaching hospital in New Delhi, India. *MAMC J of Medical Sciences*. 3(3), 146-151.

Chawla, S., Agarwal, M., Sharma, S., Jiloha, R. C. (2017). Drug utilisation study of psychotropic drugs among psychiatric outpatients in a tertiary care hospital. *Indian J Pharma Sci*, 79 (6), 1008-1013

Chawla, S., & Kumar, S. (2017). Adverse drug reactions and their impact on quality of life in patients on antipsychotic therapy at tertiary care center in Delhi. *Indian Journal of psychological Medicine*. May-Jun 39, 293-298.

Roy, V. (2017). Graduate medical education in India- Perspective on goals. *J Ratl Pharmacother Res*. 3(10), 11-19.

Roy, V., & Gupta U. (2017). Improving access to low cost, quality medicines in India: A case study. (Abstract) book, *3rd IIMA International Conference on Advances in Healthcare Management Services*. Organised by Centre for Management of Health Services, IIM Ahmedabad. December 9th-10th, 11.

Roy, V. (2017). Rational prescribing: P drug concept. [Abstract]. *Journal of rational pharmacotherapeutics & Research*. 3, 12.

Singhal, S, Roy, V. (2017). Awareness, Practice and Views about integrating AYUSH in allopathic curriculum of allopathic doctors & interns in a tertiary care, teaching hospital in New Delhi (India). *Journal of Integrative Medicine* [Accepted, 18th Dec 2017]

Tayal, V, Roy V. (2017). Serratiopeptidase containing preparations in the market: rationality and costs. *MAMC Journal of Medical Sciences*. 3(3), 152-58.

Journals

Two faculty are members of Editorial Board of MAMC Journal of Medical Sciences.

Research projects

Ongoing Projects

To evaluate co morbid depression in newly diagnosed patients with tuberculosis in the DOTS clinic of LN Hospital. Dr. Vandana Roy, Dr. Proteesh Rana, Dr. Seema Kapoor, Dr. Ashwini Khanna, 2017 onwards,(Grant 5 lacs, Delhi State TB Office).

Ameliorative effect of thymoquinone against colistin induced renal injury, Dr. Vandana Roy, Dr. Nazar, Dr B.Koner, Dr. Nita Khurana, Dr Akhilesh Mishra, 2017 onwards, Submitted for funding.

To evaluate the protective effect of Azadirachta indica leaf extract on chemically induced colon cancer in rats. Dr. Vandana Roy, Dr Angelika Batta, Dr. Monika Agarwal, Dr. Nita Khurana, Dr. Akhilesh Mishra, 2017 onwards, Submitted for funding.

To study neuroprotective effect of Zingiber officinale (Ginger) in Aluminium Chloride induced Alzheimer's disease in rat model, Dr. Vandana Roy, Dr. Kavita, Dr. Vandana Tayal, Dr. Akhilesh Mishra, Dr. Binita Goswami, Dr. Nita Khurana. 2017 onwards, Submitted for funding.

Randomized controlled study to compare the efficacy and safety of Biocurcumin and Paracetamol in patients of osteoarthritis of Knee joints, Dr. Bhupinder Singh, Dr Shubha Singal, 2017 onwards, Resources supplied by Drug Company.

Efficacy of Withania somnifera (Ashwagandha) and Bacopa monnieri (Brahmi) extracts on alcohol withdrawal syndrome in rats. Dr. Bhupinder Singh, Dr. Sh Pushpit. Resources supplied by Drug Company.

Antinociceptive and antiinflammatory activities of Serrapeptidase, Boswellia serrata and diclofenac in rats, Dr. Bhupinder Singh, Dr Shubha Singhal, Dr Vandana Roy, 2017 onwards, Resources supplied by Drug Company.

Awareness, Practice and Views about integrating AYUSH in allopathic curriculum of allopathic doctors and interns in a tertiary care, teaching hospital in New Delhi (India), Dr. Vandana Roy, Dr. Shubha Singhal, 2016-2017, Non funded not required

Patient's knowledge of prescribed medications and factors affecting it in a tertiary care teaching hospital. ICMR Short term studentship 2017, Anirudh Kansal, Supervisor: Dr. Vandana Roy, 2017.

To study the impact of whatsapp and facebook usage on academic, social and professional aspects of medical students and residents doctors, Dr. Shalini Chawla, Dr Shubha Singhal, 2016 onwards.

A survey of knowledge and beliefs about anti microbials use among prescribers in a teaching tertiary care hospital, Dr. Shalini Chawla, Dr Shivani, 2016 onwards.

Details of thesis completed during current year

Mefenamic acid and diclofenac in the treatment of menorrhagia and dysmenorrhoea in dysfunctional uterine bleeding – a randomized comparative study, Dr. Sahil Kumar, Supervisor: Dr. Uma Tekur, Co Supervisor: Dr. Bhupinder Kalra, Dr. Devender Kumar.

Effect of trimethoprim-sulfamethoxazole / norfloxacin on faecal microbiota, resistance pattern, efficacy and tolerability in patients receiving prophylaxis for spontaneous bacterial peritonitis. Dr. Sidhartha Dutta, Supervisor: Dr. Shalini Chawla, Co Supervisor: Dr. Vandana Roy, Dr. Sidhartha Srivastava, Dr. Poonam Lamba.

Conferences organised

Dr. Vandana Roy: Organised a 3rd CME and Workshop on “Improving Availability and Rational Use of Medicines in Public Health” for doctors working in Delhi Government health Facilities, at Maulana Azad Medical Colleges & Associated Hospitals, 20th -23rd Feb, 2018. Funded by Government of NCT of Delhi.

Dr Shalini Chawla Organised a 6th CME Workshop on “Pharmacovigilance” for health care providers working in Maulana Azad Medical College & Associated Hospitals, March 22nd, 2018. Funded by Government of NCT of Delhi.

Seminar/Conference Presentations

Dr. Vandana Roy:

Delivered a talk on Causality assessment of adverse drug reactions: Logic & Methods. National Coordination Center, Pharmacovigilance Program of India, Indian Pharmacopoeia Commission, Ghaziabad. August 28th – Sept. 1st, 2017.

Delivered a talk on Pharmacovigilance in Resource poor settings in a workshop on Safe guarding quality of medicines in resource poor settings. Organised by IIHMR, School of Pharmaceutical Management. Sept. 18th-22nd, 2017.

Delivered a talk on Impact of Essential medicines policy on availability of quality medicines in a Workshop on Safe guarding quality of medicines in resource poor settings. Organised by Indian Institute of Health Management Research (IIHMR), School of Pharmaceutical Management. September 18th- 22nd, 2017.

Delivered a talk on Rational prescribing: P medicine concept in Pre conference workshop, 9th National conference of Indian Society of Rational Pharmacotherapeutics. Department of Pharmacology, Aligarh Muslim University, Nov. 19th-21st, 2017.

Presented a paper “Improving access to medicines in India: A case study. In 3rd IIMA International Conference on Advances in Healthcare Management Services, held in IIM Ahmadabad. Organised by Centre for Management of Health Services, IIM. Dec. 9th-10th 2017.

Delivered a Lecture on “Essential Medicine concept” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi, Dept of Pharmacology, MAMC. Feb. 20th-23rd, 2018.

Delivered a Lecture on “Need for Pharmacovigilance” in 6th CME and workshop on Pharmacovigilance for patient safety, Department of Pharmacology, MAMC. March 22nd, 2018.

Dr. Shalini Chawla:

Guest lecture on “Basic concepts of pharmacovigilance in monitoring & reporting,” at Apollo Institute of Medical Sciences, Hyderabad, April 3rd, 2017.

Guest lecture on “Drug use in elderly and technics avoid poly pharmacy”, at Aditya Birla Memorial Hospital, 5th National Conference, ABMH pharmacon V, Pune India. College, Nov. 4th 2017.

Guest lecture on Medical Ethics at Symposium on “Defining molecular drivers of ageing and their implications in related diseases.” at Department of Physiology, MAMC, New Delhi. Nov. 18th, 2017.

Presented a Lecture on “P-Medicine concept” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20th-23rd, 2018.

Presented a Lecture on “ADR monitoring in MAMC” in 6th CME and workshop on Pharmacovigilance for patient safety, MAMC, March 22nd, 2018.

Dr Bhupinder Singh:

Presented a lecture on “Adverse Drug Reactions” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20th-23rd, 2018.

Dr Vandana Tayal

Presented a lecture on “Reporting Adverse Drug Reactions” as a faculty in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20th-23rd, 2018

Presented a lecture on “Medication Errors” as a faculty in 6th CME and workshop on Pharmacovigilance for patient safety held on 22nd March 2018, MAMC.

Dr. Sahil kumar

Oral presentation on “Mefenamic Acid and Diclofenac in the treatment of menorrhagia and dysmenorrhea in dysfunctional uterine bleeding- a randomized comparative study.” organised by 6th International & 9th national conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCON) 2017 at Jawaharlal Nehru Medical College, AMU, Aligarh. Nov. 20th to 21st, 2017 .

Dr Siddhartha Dutta

Oral presentation on “Effect of Trimethoprim-Sulfamethoxazole/ Norfloxacin on fecal microbiota, resistance pattern, efficacy and tolerability in patients receiving prophylaxis for Spontaneous Bacterial Peritonitis..” organised by 6th International & 9th national conference of indian society for rational pharmacotherapeutics (ISRPTCON) – 2017 at Jawaharlal Nehru Medical College, AMU, Aligarh. Nov. 20th to 21st 2017.

Placement Details

Number and percentage of students placed – 100% placement. Three post graduates (3 out of 3 MD candidates) joined Pharmaceutical company.

Extension and Outreach activities

The Department is preparing a program to sensitize & train all nurse working in hospitals attached to the college in pharmacovigilance. Initially it is being proposed to train nearly 1600 nurses working in associated hospitals of MAMC.

The Department conducts a workshop annually to train health care provides (Doctors nurse & Pharmacist) working in hospitals associated with Delhi Government, in rational use of drugs, better prescription, essential medicines concept etc.

Awarded MD in Pharmacology: 3

Number of faculty: 4

Other Significant Information

Health Services to the Community

Department is conducting programmes related to improve safe and rational use of medicines for the community. These include:-

a)Monitoring of Adverse Drug Reactions

Department of Pharmacology, MAMC is a recognized center for monitoring adverse drug reactions under the Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Government of India. The Department has reported 411 Individual case Safety Reports (ICSRs) to the National Pharmacovigilance Centre for reporting to the International Centre for Pharmacovigilance at Uppsala, through Vigibase in 2017

Number of Adverse drug reaction (ADR)reported till date

Year	Nos. of ADRs Reported
2014 (Sept-Dec)	85
2015 (Jan-Dec)	358
2016 (Jan-Feb and Oct-Dec)	90 (Pharmacovigilance Associate not available between Feb'16 to Sep'16)
2017 (Jan-Dec.)	411

b) Improving availability & rational use of medicines in public health facilities

The Department is annually conducting workshops on Improving availability and Rational use of medicines in public health facilities, training doctors working in Delhi Government Hospitals on aspects related to improved selection, prescribing and rational use of medicines. This will help them manage medicines better. Such training if implemented in practice will result in improved access to essential medicines and their safe use for the community in public health facilities. This year the third workshop was held.

c) Therapeutic Drug Monitoring

The Department measures drug levels in patient samples and drug samples.

Laboratory data

Name of the Laboratory	Therapeutic Drug Monitoring
Tests	Number of tests
Estimation of Lithium	25
Estimation of Steroids	20

New facilities added:

The department is undergoing major renovation of laboratories, seminar rooms and faculty rooms.

PHYSIOLOGY (LHMC)

Major Activities and achievements

The department is involved in various research programs and teaching activities. The research has been conducted on the various neurophysiological parameters including P300, Nerve conduction velocity and cognitive function tests. The studies involved the patients of 'Chronic obstructive pulmonary disease' (COPD), Type 2 Diabetes Mellitus, Pre-diabetes and Attention deficit hyperactivity disorder. The studies have also been conducted on the pulmonary function tests and Heart rate variability on patients of Type 2 Diabetes Mellitus and autonomic functions in Attention deficit hyperactivity disorder. Since its establishment the Yoga & Lifestyle intervention Centre in the department of Physiology, has come a long way, where patients suffering from various ailments are being benefited by attending the yoga practices in the center. A number of medical students, doctors & nursing staff are also availing the facilities of the center. The department is carrying out research on the effects of Yoga practices (integrated yogic practices), on the Heart Rate variability in patients of polycystic ovarian disease as well as postmenopausal women. The studies regarding same presented in various national and international conferences.

Publications

Papers published:

Praveena, S. M., Asha, G., Sunita, M., & Ratna, B. (2018). Yoga offers cardiovascular protection in early postmenopausal women. *Int yoga*, 11, 37-43.

Pramesh, Dogra, Sunita, Mondal, Rajiv, Bandhu, Dinesh, Kataria, Om Sai Ramesh V, Mukul, Adlakha. (2018). HRV in Attention-deficit/hyperactivity disorder (ADHD) before and after Methylphenidate. *International Journal of Scientific Research*, 7, 3,

Manawat, R., Shweta. (2018). Effect of six minute walk test in obesity. *International Journal of Medical Science and Public Health*, 7(4), 263-64.

Papers presented in conference

Verma A, Gandhi A, Gautam S, Biswas R, Jain A, Mondal S Effect of Yoga on Insulin Resistance in PCOS Patients. *IJPPAZ*; 2017:61 (5):193.

Dogra P, Mondal S, Bandhu R, Kataria D. Heart Rate Variability in children with Attention-deficit/hyperactivity disorder (ADHD) before and after treatment with Methylphenidate. *IJPPAZ*; 2017:61 (5):236.

Bhardwaj S, Mondal S, Bandhu R, Chaudhury D, Malik E, Adlakha M.. Glycaemic control and cognitive functions in patients of Type 2 diabetes mellitus. Poster presentation held on 18/11/17 at MAMC, New Delhi.

Research Projects

Doctoral (MD Thesis) Research Projects

Autonomic function in patients of Attention Deficit Hyperactivity Disorder (Submitted), Dr. Pramesh Dogra (PG Student), Dr. Sunita Mondal, Dr. Rajiv Bandhu.

Study of heart variability, autonomic reactivity and insulin resistance in patients of Polycystic ovarian syndrome undergoing yoga (Submitted), Dr. Anushka Verma (PG Student), Dr. Asha Gandhi, Dr. Sujata Gautam

Undergraduate (ICMR STS Research Project)

Cognitive Function in School Going Adolescents using Smartphones: A Preliminary Study. , Ms. Shubhi (3rd Semester), Dr. Mary Vibha Lakra.

Departmental Research Project

Electrophysiological Study of Cognitive Function in Children with Idiopathic Childhood Epilepsy, PI-Dr. Madhulika Monga, Associate Professor Co-PI Dr. S. Mondal Dr. Namita

Seminars organised

"International Yoga Day" celebration at LHMC, Deptt of Physiology, on 21.06.2017. Organizing Secretary: Dr. Rajiv Bandhu Dr. Anita Pawar

“Third Intercollegiate Undergraduate Physiology Quiz competition” at S. J. Auditorium, LHMC ,Organizing Chairperson: Dr.Sunita Mondal,Organizing Secretary, Feb. 21st, 2018.

Dr. Sujata Gautam,Dr. Mary Vibha Lakra Launch of “ Student Mentorship Programme” for MBBS Batch 2017-18. Organizing Secretary: Dr. Anita Pawar, Dr. Madhulika Monga, Oct. 4th ,2017.

Seminars/ Conference Presentations

Dr. Sujata Gautam, Dr. Mary Vibha Lakra as Delegate, at Deptt of Physiology,AIIMS, New Delhi.Workshop on “Last mile connectivity for Indigenous medical devices developed under DST- Hands on workshop on available technologies” ,at AIIMS, New Delhi. March 27th,2017

Dr. Sunita Mondal,Dr Sandeep S. Chauhan as Chairperson at Department of Physiology, JIPMER, Puducherry. APPICON 2017, JIPMER, Puducherry. Oct. 12th- 14th , 2017.

Dr Sujata Gautam, as Judge at Department of Physiology, JIPMER, Puducherry APPICON 2017at JIPMER, Puducherry, Oct. 12th- 14th , 2017

Dr. Rajiv Bandhu, as Subject Expert at DGHS, MOHFW, Nirman Bhawan, New Delhi. Workshop for finalisation of the Module on Pre Hospital Trauma Technician Course at Nirman Bhawan, New Delhi. Oct. 24th , 2017.

Dr. Anita Pawar, Faculty Co- facilitator,Medical Education Unit, LHMC.Stress management workshop at LHMC,New Delhi, Dec. 30th,2017

Dr. Sunita Mondal, Speaker,MAMC, New Delhi.Symposium on “Defining Molecular drivers of Aging” at MAMC, New Delhi, Nov. 18th , 2017

Dr Madhulika Monga, Dr Dharmendra Basu, Dr. Shweta, Dr PankajK Keshri as Delegate Medical Education Unit, LHMC.Teacher Training Course, at LHMC,New Delhi, Dec. 4th -6th , 2017.

Dr. Sunita Mondal, as Delegate at Institute Of Secretariat Training And Management, New Delhi.Workshop For Liaison Officers (SC/ST) , at ISTM, New Delhi, Jan. 8th - 9th , 2018.

Dr Madhulika .Monga, Observership, Deptt of Neurophysiology,Sir Ganga Ram Hospital
Clinical Neurophysiology at Sir Ganga Ram Hospital, New Delhi. Feb. 1st- March 1st ,2018

Dr. Sunita Mondal, Chaired a session, at Lady Hardinge Medical College, New Delhi,
Research Ethics and Good Clinical Practices at LHMC, New Delhi. March 9th , 2018.

Faculty Strength: 14

Other significant Information

Special achievements of the staff e.g. Medals/Awards:

Dr. Pankaj Kumar Keshri, Assistant Prof. won 1st Prize in “Hindi Annual (translation)” in Hindi Prakhwada ,organised by Hindi Section in LHMC.Sept. 2017

Dr. Pankaj Kumar Keshri, Assistant Prof. won 2nd Prize in “Essay Writing” in Hindi Prakhwada, organised by Hindi Section in LHMC,Sept. 2017 .

Dr. Pankaj Kumar Keshri, Assistant Prof. won Consolation Prize in “Shrutlekh (Dictation)” in Hindi Prakhwada, organised by Hindi Section in LHM,. Sept. 2017.

Dr. Shweta, Assistant Prof. won Consolation Prize in “Hindi Anuwad (translation)” in Hindi Prakhwada organised by Hindi Section in LHMC. (Organizing Chairperson: Dr. Sunita Mondal, Organizing Secretary: Dr. Sujata Gautam&

Dr. Mary Vibha Lakra) , Sept. 2017.

Ms Isha Gupta& Ms Anamika Roy , students of MBBS third semester won the second prize in “Third Intercollegiate Undergraduate Physiology Quiz competition” organised by the Department of Physiology LHMC, New Delhi , Feb. 21st ,2018.

The Department of Physiology has organised “Third Intercollegiate Undergraduate Physiology Quiz competition” at S. J. Auditorium, LHMC, New Delhi, (Organizing Chairperson: Dr. Sunita Mondal, Organizing Secretary: Dr. Sujata Gautam& Dr. Mary Vibha Lakra). Teams from Fourteen Medical Colleges of Delhi & NCR have participated & students of MBBS third semester from LHMC won the second prize. Feb. 21st, 2018.

PHYSIOLOGY (MAMC)

Major activities and achievements

The department of physiology is concerned with teaching, research and administrative works. Students of MBBS, BDS, Nursing, MD are taught. The department co-ordinates the internship programme of the institute for MBBS students. In year 2017- 2018, department of physiology organised a symposium and a 1st year undergraduate quiz.

Publications

Singh, A. K, Krishana, B, Gupta, M. (2017). Assessment of olfactory dysfunction in Parkinson's disease. *International Journal of integrative medical sciences*. 4(7), 528-536.

Mahajan, A. S., Agarwal, P. (2017). Current Perspective in Vitamin D Deficiency. *A mini review. J Physiol Biomed Sci*, 30(1), 5-11.

Sinha, S. S., Jain, A. K., Tyagi, S., Gupta, S. K., & Mahajan, A. S. (2018). Effect of 6 months of medication on blood sugar, glycosylated haemoglobin and insulin levels in patients of coronary artery disease. *Int J Yoga*. 11, 122-8.

Mahaur, R., Jain, P., & Jain, A. K. (2017). Association of mental health to emotional intelligence in medical undergraduate students: Are there gender differences. *Indian Journal of Physiology and Pharmacology*. 61(4), 383-391.

Jain, S., Jain, P., Jain, A. K. (2017). Prevalence sources and severity of stress among new undergraduate medical entrants. *South-east Asian Journal of Medical Education*. 11(1), 9-18.

Dr. A. K. Jain

Has written the following books during the year:

Textbook of Physiology Vol. I & II VIIth Ed. (July 2017).

Human Physiology for BDS VIth Edition (Aug. 2017).

Manual of Practical Physiology for BDS IVth Ed.(March 2018).

Publisher of all books: Avichal Publishing Co.1969/30 Naiwala Karolbagh New Delhi

Journals

Dr. D Robinson is on the advisory board (National) in Indian journal of Applied Basic Medical Sciences.

Conferences organised

Department of Physiology organised a Symposium on "Defining molecular drivers of ageing and their implication in related diseases." organised by Department of Physiology, MAMC, Nov. 18th, 2017.

Seminar/Conference Presentations

Faculty members attended the following conferences:

Dr. Daya Ram Haldwani, Dr. Mona Bedi, Dr. Aarti Sood Mahajan, Dr. Preeti Jain, Dr. D. Robinson attended 63rd annual National Conference of Association of Physiologist and Pharmacologist of India APPICON 2017 "Physiology beyond academics in the Era of Translational Research" in October 2017, organised by the Department of Physiology, JIPMER, Pondicherry.

Dr. V. P. Varshney, Dr. Bal Krishan, Dr. Daya Ram Haldwani, Dr. Mona Bedi, Dr. Aarti Sood Mahajan, Dr. Preeti Jain Participated in the symposium on coagulation disorder and metabolic targets of anti-platelet therapy. An update organised by department of biochemistry, Maulana Azad Medical College. Nov. 11th, 2017.

Dr. V P Varshney

Participated in the workshop on "Ultimate physiology teaching solution using a computerised system" organised by dept. of physiology under APPI, Delhi chapter, VMMC and Safdarjung hospital New Delhi, Feb.5th 2018.

Organising secretary of symposium as "Defining molecular drivers of ageing and their implications in related diseases" organised by Dept. of Physiology, MAMC, New Delhi as a organizer and delegate.

Organising secretary of "First undergraduate physiology quiz 2018" at Dept. Of Physiology, MAMC, New Delhi, March 27th, 2018.

Dr. Daya Ram Haldwani

Participated as a delegate in the workshop on ultimate physiology teaching solutions using a computerized system organised by dept. of physiology under APPI, Delhi chapter , VMMC and Safdarjung hospital New Delhi, Feb.5th 2018.

Participated as chairperson in the symposium as “Defining molecular drivers of ageing and their implications in related diseases” organised by dept. of Physiology, MAMC, New Delhi.

Participated as judge in the 1st year undergraduate physiology quiz organised by dept. of physiology, MAMC, New Delhi.

Attended CME on “Newer initiative in tuberculosis treatment”organised by dept. of community medicine held at new lecture theatre, MAMC, New Delhi. March 25th , 2018

Dr. Mona Bedi

Attended APPICON 2017 CME at Pondicherry “Physiology beyond academic in the era of translational research”, Oct. 11th, 2017.

Participated in the workshop on “Ultimate physiology teaching solution using a computerised system”organised by Dept. of Physiology under APPI, Delhi chapter , VMMC and Safdarjung hospital New Delhi, Feb. 5th 2018.

Actively participated in in the symposium as “Defining molecular drivers of ageing and their implications in related diseases” organised by dept. of Physiology, MAMC, New Delhi as a organizer and delegate.

Organising secretary of “First undergraduate physiology quiz 2018” at Dept. Of Physiology, MAMC, New Delhi, March 27th, 2018.

Dr Preeti Jain

Jain P, Mahuar R, Jain A.K (2017) A Hierarchical Regression modeling on predictors of psychological health in medical students. Poster presented in 63rd APPICON, held at JIPMER, Pondicherry, Oct. 10th-14th , 2017.

Dr. Aquil Ahmad

Member of the organizing committee for the symposium held on “Defining Molecular Drivers of Ageing & Their Implications in Related Diseases”by Deptt of physiology, Maulana Azad Medical College, New Delhi, Nov. 2017.

Member of the organizing committee for the “First Undergraduate Physiology Quiz,2018” by Deptt of physiology, Maulana Azad Medical College, New Delhi, March, 2018.

Workshop on Ultimate Teaching Solution Using a Computerized System organised by deptt of physiology, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, Feb. 2018.

Faculty Strength: 10

PSYCHIATRY, GIPMER

Honours/ Distinctions

Dr. Arun Lata Agarwal was awarded the Indian Media Welfare Award on 17.6.2017

Publications

Chaudhary, A. H., Khurana, P., Biswas, P. S. (2018). Epidemiology & risk factors for Multidrug-resistant bacteria in critically ill patients with liver disease. *Saudi J. Anaesthesia*, 2018;12(3).

Presentation

On-going project: Study of serum creatinine phosphokinase (CPK) levels in psychiatric inpatients – Dr. Seram Chaoba

Thesis completed during the current year: A study of prevalence of psychiatric comorbidity, quality of life and disability in patients of bipolar disorders – Dr. Gunja Sengupta

Conference/workshops/symposia

Dr. Anurag Jhanjee presented paper titled “Depression and Dementia: A chicken and egg conundrum” at the Annual Conference of Indian Association of Private Psychiatry (ANCIAPP 2017)

Students under exchange programme:

Trainees from other agencies:

Nursing, R. A. K. Nursing College, ABCON, Theory and practical for 2 weeks.

Observership, Psychology, 30-40 days

Post Graduate Diploma in Geriatric Medicine, IGNOU, 9-10 classes over two semesters

PULMONARY MEDICINE (VPCI)

Major Activities/Achievements

Postgraduate medical education and patient care are the thrust areas of the Department of Pulmonary Medicine at VPCI. The clinical wing under the department known as Viswanathan Chest Hospital is a tertiary care center providing specialized clinical consultations, diagnostics and treatment services to patients referred from all over India and neighboring countries. During the period the OPD of the hospital registered 11864 new patients and 56823 follow-up cases. The IPD admitted 4258 patients in General and Emergency wards. The RICU admitted 357 patients. A total of 22,899 patients were provided Emergency services. Specialized investigations provided included 2125 skin allergy tests, 22640 pulmonary function tests, 22097 x rays, 52574 clinical biochemistry, 5432 serum IgE tests, 9972 Arterial Blood Gases, 3943 microbiological tests, over 11000 tests mycological tests 31000 pathological, investigations.

The Tobacco Cessation Clinic has provided counselling services to 398 new and 172 follow-up subjects besides training physicians, counsellors, volunteers and other stake holders involved in smoking cessation. The Yoga Therapy and Research Centre has provided services to 3846 subjects by Yoga. The Cardio-Pulmonary Rehabilitation Clinic provided breathing retraining education, rehabilitation programme services to over 400 patients. Further, The department conducted research studies on Prevalence of aeroallergens in patients of bronchial asthma and/or allergic rhinitis in India based on skin prick test reactivity; Identification of airborne pollens in Delhi.

Honours/Awards

Dr. Raj Kumar Environmental Excellence Award 2017, Exemplary Contribution for protecting environment on 28.12.2017 by Environment and Social Development Association (ESDA) Delhi, India.

Publications

Gulati, K., Babita, Kumar, Raj, Menon, B. K., & Ray, A. (2017). A clinical study to evaluate the effects of yogic intervention on pulmonary functions, inflammatory marker and quality of life in patients of bronchial asthma. *Pharmacol Toxicol*, 3(6), 174–81.

Kumar, R., & Kotwani, A. (2017). Rising threat of antimicrobial resistance: judicious use of antibiotics is the way forward (Editorial). *Indian J Chest Dis Allied Sci*, 59,165–6.

Pandey, A., Kulshrestha, R., Menon, B., Rajkumar, & Gaur, S. N. (2018). Anthracotic pigment in transbronchial lung biopsy: An innocent bystander or pathogenic agent for parenchymal lung disease. *Indian J Chest Dis Allied Sci*, 60, 27-31.

Rohil, Vishwajeet, Vijayan, V. K., Kumar, Raj, Joshi, Rini, Pavani, P., Paul, Shweta, Sharma, A., & Rahman, M. (2017). A study on the correlation of Matrix Metalloproteinase MMP1 in COPD and smoking in the North Indian population. *Asian J Med Sci*, 8(1), 5-14.

Kumar, R., Gupta, N., Goel, N., Poongadan, M. N., & Balasubramanian, V. (2017). Clinical Spectrum of 106 Cigarette and Bidi Smokers and Nonsmokers with Lung Cancer at a Tertiary Care Centre in India. *Indian J Chest Dis Allied Sci*, 59, 69-74.

Choudhari, O. K., Spalgais, S., Ojha, U. C., Murar, A. K., & Verma, A. K. (2017). Miliary tuberculosis with bilateral recurrent pneumothoraces. *Astrocyte*, 4,192-4.

Gupta, A., & Mrigpuri, P. (2017). Assessment of clinico-radiological correlation with CT guided FNAC of different lung lesions: A hospital based study. *International Journal of Contemporary Medical Research*, 4(6), 290-293.

Gupta, A., & Mrigpuri, P. (2018). Unilateral reexpansion pulmonary edema after tube thoracostomy: A case report. *Indian J Case Reports*, 4(2), 92-94.

Chapters in Books

Kumar, Raj. (2017). *Allergy testing. 42nd workshop on respiratory allergy, diagnosis and management*, (pp.52-89). Delhi: NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

Prasad, Rajendra & Kumar, Raj. (2017). *Allergy situation in India. 42nd workshop on respiratory allergy, diagnosis, and management*, (pp.1-4), NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

Kumar, Raj. (2017). *Food allergy in bronchial asthma. 42nd workshop on respiratory allergy, diagnosis and management*, (pp. 90-96), NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

Journals

Published by the Dept: Indian Journal of Chest Diseases and Allied Sciences (IJCDAS)

Number of faculty serving as Editor(s)/Member(s)/ Dr. Raj Kumar, Director (Actg.), Editor-in-Chief

Dr. Balakrishnan Menon, Member of Editorial Board

Research Projects

ICMR, 2015 for 3 yrs : Indoor Air Pollution and Asthma Exacerbation in Children: A Population Based Study, Amount sanctioned Rs 125.00 lakhs.

ICMR 2016, 3 yrs, Effect of Outdoor Air Pollution on Acute Respiratory Symptoms in Delhi - A multisite project. Amount sanctioned Rs 22.00 lakhs.

Ministry of Health & Family ,Welfare, GOI ,2016, 3 yrs, Tobacco Quitline Services (TQLS) at Vallabhbhai Patel Chest Institute, Delhi. Amount sanctioned Rs 102.00 lakhs.

Seminars Organised

42nd Workshop on Respiratory Allergy: Diagnosis and Management, April 24th -28th , 2017.

Workshop on “Good Inhalation Therapy Practices for Nursing Staff” Nov. 27th-29th 2017.

Workshop Update on Bronchial Asthma & Good Nebulization Practice, Dec. 30th ,2017)

Public Lecture on “Harmful Effect of Tobacco and How to Quit Tobacco” Dec.14th , 2017)

Public Lecture on “Awareness of Tuberculosis: An Age Old Menace”, Dec. 29th , 2017)

Conferences Organised

1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy where VPCI had entered into an MoU with the Dept of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association, Dec. 8th - 9th ,2017

Seminar/Conference Presentations

Dr. Raj Kumar, Masterclass- Allergy Diagnosis and Allergen Immunotherapy’University Hospital Munster, Munster, Germany, April 5th – 8th , 2017.

Dr. Raj Kumar, Organizing Secretary, delivered lecture on Food allergy in Bronchial Asthma’V. P. Chest Institute & CSIR- IGIB, 42nd Workshop on Respiratory Allergy: Diagnosis and Management Delhi, April 24th-28th , 2017.

Dr. Raj Kumar, Guest Lecture, on ‘Experience of Tobacco Quit line in National Institute of Cancer Prevention and Research, Noida WHO FCTC Global Knowledge Hub on SLT, New Delhi, Aug.16th-18th , 2017.

Dr. Raj Kumar, Guest Lecture, on ‘Allergy Management: Evidence from the last Decade’ AIIMS, New Delhi, Allergy Diagnosis and Allergen Immunotherapy Workshop - Scientific Session Agenda New Delhi, Aug. 20th , 2017

Dr. Raj Kumar, Organizing Chairman, delivered Guest Lecture, on 'Patient Selection for Allergen Immunotherapy' V. P. Chest Institute, 1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy Delhi, Dec 8th – 9th, 2017.

Dr Nitin Goel, Treasurer and delivered talk on "Practical training of Allergy testing" V. P. Chest Institute & CSIR-IGIB, 42nd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi, April 24th- 28th, 2017.

Dr Nitin Goel, Lecture on "Patient Counselling", V. P. Chest Institute, Update on Bronchial asthma and nebulization workshop, Delhi, Nov. 30th 2017.

Dr. Sonam Spalgais, Lecture on "Smoking Cessation Among Patient Attending Respiratory OPD in a Tertiary Care Hospital", The Indian Chest Society and The National College of Chest Physicians (I) NAPCON 2017, Kolkata, Nov. 16th-19th, 2017.

Dr. Sonam Spalgais, Lecture on "Role of FENO in Asthma 21st June 2018". V. P. Chest Institute & CSIR-IGIB, 43rd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi, 18 to 22 June 2018

Dr Parul Mrigpuri, Joint Secretary & delivered talk on "Allergen vs Irritant- Which is relevant ?", V. P. Chest Institute & CSIR-IGIB, 43rd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi 18 to 22 June 2018

National/International MoUs Signed

With Indian/Foreign Universities

VPCI had entered into an MoU with the Dept of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

Other Inter-Institutional Collaboration

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi.

All India Institute of Medical Sciences, New Delhi.

National Institute of Immunology, JNU, New Delhi

Defence Institute of Physiology and Allied Sciences, DRDO, Timarpur Delhi

CSIR-IGIB (Institute of Genomics and Integrative Biology), Mall Road, Delhi

Centre for Physiotherapy & Rehabilitation Sciences, Jamia Milia Islamia, New Delhi. Indian Spinal Injuries Centre, Vasant Kunj, Delhi-110070

No. of degrees awarded MPhil, PhD -06

Faculty Strength: 5

Other Significant Information

Distinguished Visitors

Shri J.P. Nadda, Hon'ble Union Minister of Health & Family Welfare, Government of India, New Delhi.

Prof. Randolph Brehler, Department Of Allergology, University Hospital Munster, Klinikum, Munster, Germany.

Dr. Randeep Gularia, Director, AIIMS, New Delhi.

RADIODIAGNOSIS (LHMC)

Major Activities and Achievements

The department carries out clinical as well as research work. The strengths include the guidance by experienced senior faculty and a harmonious working environment that is founded on team-work. Research work is carried out in the form of thesis allotted to all MD students. Our students learn practical aspects of Radiology as they are exposed to a wide diversity of clinical cases, especially pediatric cases. This year, our department was involved in the organization of a conference on 'Delhi Imaging Update 2018' the Annual Conference of Delhi State Chapter of Indian Radiological and Imaging Association (IRIA) (February 23-25, 2018). This was a good learning opportunity for students, as well as participating delegates. Our students also attended various other conferences, and presented papers or posters. The faculty was actively involved in teaching activities, and took lectures at various conferences.

Publications Total Number: 6

Kumar, S., Abbey, P., & Handa, A. (2017). Bilateral cervico-dorsal gossypibom presenting as discharging sinus. *Asian Journal of Neurosurgery*, 12(1), 92-94.

Sahu, B., Abbey, P., Anand, R., Kumar, A., Tomer, S., & Malik, E. (2017). Severity assessment of acute pancreatitis using CT severity index and modified CT severity index: Correlation with clinical outcomes and severity grading as per the Revised Atlanta Classification. *Indian J Radiol Imaging*, 27, 152-60.

Gupta, N., Grover, H., Bansal, I., Hooda, K., Sapires, J. M., Anand, R. and Kumar, Y. (2017). Neonatal cranial sonography: ultrasound findings in neonatal meningitis—a pictorial review. *Quant Imaging Med Surg*. <http://dx.doi.org/10.21037/qims.2017.02.01>

Prakash, R., Puri, A., Anand, R., Jain, A. K., Brahmanand, L., & Vaibhav, G. (2017) Predictors of upper tract damage in pediatric neurogenic bladder - *Journal of Pediatric Urology*.

Mittal, D., Anand, R., Sisodia, N., Singh, S., & Biswas, R. (2017) Placental mesenchymal dysplasia: What every radiologist needs to know. *Indian J Radiol Imaging*, 27, 62-4.

Book Chapter

Abbey, Pooja and Anand, Rama. (n.d.). The imaging of Pediatric GI tract. In *Pediatric gastroenterology Hepatology and Nutrition*. Assam: Indian Academy of Pediatrics.

Journals

Dr Rama Anand has been appointed as Reviewer for Indian Journal of Radiology and Imaging (IJRI) and JCDR

Dr. Pooja Abbey has been appointed as Reviewer for Indian Journal of Radiology and Imaging (IJRI).

Dr. Vikas Chaudhary has been appointed as Reviewer for Journal of Clinical Imaging Science (JCIS), World Journal of Gastroenterology and La Radiologica Medica (LRM).

Conferences Organised

“Delhi Imaging Update 2018” the Annual Conference of Delhi State Chapter of Indian Radiological and Imaging Association (IRIA) held at Lady Hardinge Medical College, Feb. 23rd-25th, 2018.

Seminar/Conference Presentations

Dr. Rama Anand

Ultra vision 2017 in Delhi, July 17th, 2017,

CME – AIIMS Radiology Course on Interstitial Lung Diseases, Aug. 5th- 6th 2017.

5th Asia Pacific Congress of interventional Oncology (APCIO) & Society of Emergency Radiology (SER), Aug. 17th, 2017.

Xv Annual National conference of Indian Society of pediatric Radiology (ISPR) Pune, Sept. 2017.

Paediatric radiology update -2017 at Amritsar, Oct, 2017.

National Association of Reproductive and Child Health of India in Delhi Oct 17 AIIMS -MAMC -PGI Course series, Nov. 17th, 2017.

Hepatobiliary imaging & interventions AOCR 2018 January (Asian oceanian congress of radiology), Nov 17.

Dr. Shaili Tomer, Conference on “Hepatobiliary Imaging and Interventions” Delhi Imaging Update 2018, Nov. 18th, 2017

Dr. Bhawna Satija, Delhi Imaging Update 2018.

Dr. Bhawna Satija, SURGICON 2017: Annual Conference of Association of Surgeons of India-Delhi State Chapter

Dr. Vikas Chaudhary, Delhi Imaging Update 2018.

Faculty strength: Total: 9**Other Significant Information**

Faculty has been involved as experts in purchase of Radiodiagnosis equipments in various Government Hospitals Purchase Committees.

Dr Rama Anand has been appointed as Examiner for MD exam held on April 2017 in Lady Hardinge Medical College,

Dr. Rama Anand is Co Chairperson of Committee for purchase of Proprietary items and repair Maintenance for the Equipment of Hospital side Departments.

Dr. Rama Anand is Chairperson of Equipment Purchase committee.

Students with Distinctions

Dr. Sandeep Kushwaha-Asian Oceanian Congress of Radiology(AOCR) 2018 P poster: MDCT evaluation of pediatric jaw lesions: Pictorial essay- 1ST PRIZE (Head and Neck category)

Dr. Sudeshna Malkar Asian Oceanian Congress of Radiology(AOCR) 2018 P poster(AOCR 2018): Ultrasonography and Colour Doppler evaluation of focal hepatic and biliary tract lesions in children.-2nd PRIZE (GI Imaging category)

Dr. Sudeshna Malkar: Delhi Imaging Update 2018(DIU),LHMC. SpottersA – 1st Prize , Film reading session B- 3rd prize.

Dr.Richa Gauba, Delhi Imaging Update 2018(DIU),LHMC. Spotters A-2nd Prize, Film reading session A -3rd prize.

Dr.Abbhishek Kotwal, Delhi Imaging Update 2018(DIU), LHMC. Spotters A- 3rd Prize.

Film reading sessionA-1st PRIZE

Spotters B- 3RD PRIZE.

Film reading sessionB-3RD PRIZE

Dr.Anishikha Gulati : Delhi Imaging Update ,2018(DIU) ,LHMC.

Film reading sessionA -3rd Prize . Spotters B- 3rd Prize.

SURGERY (LHMC)

Major activities and achievements

Bariatric programme initiated under the supervision of Dr. O.P.Pathania , Head , Department of Surgery . At our facility, Bariatric services are provided free of cost to the poor morbidly obese patients. More than 300 cases of Video Assisted Anal Fistula Treatment (VAAFT) have been done at our facility. We organize Pre hospital Trauma Training courses and majority of our trained students are employed in CAT Ambulances, playing an important role in prehospital care of trauma victims. Endourological Procedures like TURP (for BHP), TURBT (bladder tumours), URS are done routinely in our Department .Vascular Surgery procedures–A-V fistula for CRF patients (awaiting transplant/ undergoing dialysis) are routinely performed . We do comprehensive surgical & medical management of Gastrointestinal, Urological, Breast cancers at our facility .Impedance ph monitoring and esophageal manometry for diagnostic and research purpose and Advance laparoscopic surgeries using high definition camera are routinely performed .

Honours / Distinctions

Dr. Gyan Saurabh – Awarded Fellowship of the Royal College of Surgeons of Glasgow, FRCS (Glasg), May 26th, 2017.

Dr. Manoj Andley - Awarded Fellowship of Royal College of Surgeons of Glasgow, FRCS – Glasg July, 2017.

Dr . Manoj Andley awarded travel grant from University Grants Commission to present research paper titled ,” Randomised controlled study to compare surgical outcome of video assisted anal fistula treatment (vaaft)with conventional fistulotomy in low fistula in ano patients”at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons , SAGES-2017 ,held in Houston , Texas, USA from 22nd to 25th March’2017.

Dr . Gyan Saurabh awarded travel grant from University Grants Commission to present research titled ,” Randomized trial to evaluate systemic inflammatory response after total extraperitoneal repair and transabdominal preperitoneal repair for Inguinal hernia “ at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons, SAGES-2017 ,held in Houston , Texas, USA, March 22nd- 25th, 2017.

Dr . Deborshi Sharma awarded travel grant from University Grants Commission to present research paper at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons , SAGES-2017, held in Houston , Texas, USA, March 22nd - 25th ,2017.

Dr. Sudipta Saha : Awarded Travel grant from University Grant Commission to present oral paper at 47 th World Congress of Surgery Basel, Switzerland organised by International Society of Surgeons, Aug. 13th-17th, 2017.

Publications

Aggarwal, L., Sattavan, S., Lal, R., Sharma, D., Borgharia, S., Shrivastava, N., Alagappan, R., & Singh, R. (2017). Short bowel syndrome: An uncommon clinical entity and a therapeutic challenge –Our experience and review of literature. *Indian J Surg*, 79(4), 349-353.

Chaudhary, P., Chaudhary, B., & Munjewar, C. K. (2017). Parotid tuberculosis. *Indian J Tuberc*, 64(3), 161-166.

Gunjan, D., Gupta, S., Meena, K., & Thomas, S. (2017). A plethora of histopathology findings of appendectomy specimen and its use as an audit for negative appendectomy rate. *Indian Journal of Applied Research*, 7(7), 208-9.

Gunjan, D., Gupta, S., Pande, P., & Thomas, S. (2017). Amyand's Hernia: Our Experience and Review of Literature. *ABCD Arq Bras Cir Dig.*, 30(2), 287-91.

Kashyap, A., Jain, M., Shukla, S. & Andley, M. (2017). Study of Nuclear morphometry on cytology specimens of benign and malignant breast lesions: A study of 122 cases .*j Cytol*, 34(1), 10-15

Thomas, S., Desai, G., Gupta, S., Choudhury, M., Ali, S., & Tudu, S. K. (2017). Serum Levels of C - reactive protein, Hepcidin, and Interleukin-6 in Acute Cholecystitis and its Correlation with Severity of Attack and Recovery Time. *Indian Journal of Applied Research*, 7(7), 210-3.

Vats, M., Pandey, D., Saha, S., Talwar, N., Saurabh, G., Andley, M., & Kumar, A. (2017). Assessment of systemic inflammatory response after total extraperitoneal repair and Lichtenstein repair for inguinal hernia. *Hernia*, 21(1), 65-71.

Journals

Number of Department teachers serving as Editor / Member of Editorial board : > 10 faculty member are reviewers in reputed indexed national / international journals

Research Projects

Thesis total: 18

Dr. Ankit Tyagi,Urodynamic profile in patients with benign prostatic hyperplasia with or without inguinal hernia ,Dr. Ajay Kumar,Dr. Manoj Andley,Dr. Sudipta Saha

Dr. Saurabh Kumar Negi,Effect of neoadjuvant Chemotherapy on coagulation profile of patients with breast cancer,Dr. O.P.Pathania, Dr. Shaji Thomas, Dr. Anita Nangia

Dr. Venkatesh Babu G., , Vitamin D , Vitamin B12 , Folic Acid and Ferritin profile in patients wuth benign and malignant breast masses.Dr. Shaji Thomas, Dr. O.P.Pathania, Dr.Binita Goswami, Dr. Shailaja Shukla

Dr. Aakash Singh Rana, Assessment of abdominal wall muscle function following repair of large midline ventral hernia with endoscopic component separation technique and laparoscopic mesh hernioplasty.Dr. Romesh Lal, Dr. Deborshi Sharma , Dr. U C Garga

Dr. Siddhartha Saxena ,The role of non acid reflux in gastro-oesophageal reflux disease.Dr. Manoj Andley, Dr. Aparna Agarwal, Dr. Sudipta Saha,

Dr. Mandeep Singh, Red cell distribution width to platelet count ratio as a marker of severity in acute biliary pancreatitis : A prospective Observational study, Dr. Ashok Kumar, Dr. Manoj Andley, Dr. Sudipta Saha

Dr. Piyush Pippal, Determination of gastric wall thickness in patients undergoing laparoscopic Sleeve Gastrectomy and its relation with body mass index.Dr. Deborshi Sharma , Dr. U C Garga, Dr. Romesh Lal

Dr. Saurabh Kumar Shekhar, Three stage hybrid repair of large ventral hernia using endoscopic component separation , open reduction and closure of defect with laparoscopic intraperitoneal onlay mesh repair , an outcome analysis. Dr. Deborshi Sharma,Dr. Romesh Lal.

Dr. Raj Kumar, CRP and Procalcitonin levels in acute gall stone induced pancreatitis, Dr. Nain Singh

Dr. O.P.Pathania, Dr. Jayshree Bhattacharjee, Dr.Maoj Jais.

Dr. Gaji Sakina Rauf, Corelation of serum Leptin levels with histological grading and receptor status in breast cancer patients with metabolic syndrome. Dr. Kusum Meena , Dr. Shaji Thomas, Dr. Binita Goswami, Dr. Manoj Andley, Dr. Kiran Agarwal

Dr. Shahiq Ahmed, Effect of Endoscopic Component Separation technique on Pulmonary function in large midline ventral hernias. Dr. Romesh Lal, Dr. U.C.Garga, Dr. Deborshi Sharma

Dr Shivali Gupta, Evaluation of factors predicting the primary success of native arteriovenous fistula in patients of ESRD requiring dialysis. Dr. O.P.Pathania, Dr. Sudipta Saha.

Dr. Gaurav Mittal, Evaluation of patient discomfort and post operative pain in laparoscopic transabdominal pre-peritoneal inguinal hernia repair using 3 dimesional mesh versus conventional polypropylene mesh. Dr. Manoj Andley , Dr. Sudipta Saha

Dr .Meenakshi Singh, A comparative study of multi stream saline – jet assisted Vs Conventional laparoscopic cholecystectomy. Dr. O.P.Pathania , Dr. Nain Singh,

Dr. Shaphali Chandra ,Study of correlation of Serum 25-hydroxy vitamin D levels and molecular subtypes of breast cancer . Dr. Shaji Thomas, Dr. Anita Nangia , Dr. Ritu Singh,Dr. O.P.Pathania

Dr. Ankit Raj ,Blood Urea Nitrogen level as an early predictor of severity of acute biliary pancreatitis and indicator of mortality. Dr. Ashok Kumar, Dr. Manoj Andley

Dr. Amrit Kumar Gupta, Evaluation of raised total serum bilirubin as a predictor of complicated appendicitis .Dr. Poras Chaudhary, Dr. Romesh Lal

Dr.Pute U Losu, Assessment of Quality of Life and outcome measures using EuraHSQoL following endoscopic Video Assisted Component Separation with IPOM Mesh hrnioplasty in large midline ventral hernia repair . Dr. Romesh Lal, Dr. Poras Chaudhary, Dr.Deborshi Sharma, Dr.U.C.Garga.

Seminars organised:

Dr. Deborshi Sharma, Organizing Secretary, Surgery Clinical Oriented Post Graduate Examination Course (SCOPE Course), Delhi State Chapter of ASI, SCOPE Course , PGIMER, Dr RML Hospital, New Delhi, Feb. 8th -to 11th, 2018.

Conferences Organised

Dr. O.P.Pathania , Organising Director , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India,LHMC, Nov. 10th-12th 2017.

Dr. O.P.Pathania , Organising Chairman , Monthly meeting of Delhi Chapter of Association of Surgeons of India. LHMC, Sept. 17th, 2017

Dr. Ajay Kumar , Organising Chairman , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10th-12th 2017.

Dr. Manoj Andley , Organising Secretary , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10th-12th ,2017.

Dr. Gyan Saurabh, Co- Organising Secretary , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10th-12th ,2017.

Dr. Sudipta Saha, Co- Organising Secretary , SURGICON -2017, Annual meet Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10th-12th ,2017.

Seminar /Conference Presentation

Dr. O.P.Pathania ,Organizing Chairman, Delhi Chapter of Association of Surgeons of India Monthly meeting of Delhi chapter of ASI held at LHMC in Sept'2017.

All faculty members of Department of Surgery. Delegate, Delhi Chapter of Association of Surgeons of India, Monthly meeting of Delhi chapter of ASI held at LHMC in Sept'2017.

Dr. O.P.Pathania, Faculty ,Delivered talk on “ Gastrointestinal stromal tumours “ LHMC , New Delhi SURGICON-2017 / LHMC , New Delhi, Nov. 11th-13th , 2017.

Dr. Ajay Kumar, Chairperson, AIIMS , New Delhi, ENDOSURG 2017

Dr. Ajay Kumar, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi , Nov. 10th-12th,2017.

Dr. Shaji Thomas, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 -11th AIIMS Surgical week , International conference, CME cum live workshop , 16th to 19th March'17

Dr. Shaji Thomas, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10th-12th,2017.

Dr. Shaji Thomas, Chairperson, MAMC, SURGERY Update & National CME, MAMC, Sept. 2017.

Dr. Shaji Thomas , Faculty , LHMC , New Delhi, MCI Revised Basic Course Workshop for Medical Education, NTTC. LHMC. Dec. 4th-6th Dec 2017.

Dr. Shaji Thomas, Faculty, AIIMS , New Delhi, Updates in Management of Head and Neck Cancer, AIIMS, Nov. 3th-5th,17.

Dr. Shaji Thomas , Faculty , AIIMS , New Delhi, Asian Society of Mastology Conference 2017. AIIMS, Oct. 7th-9th , 2017.

Dr. Shaji Thomas , Faculty , PGIMER, RML Hospital, New Delhi, FAIS Credentialing Course, Association of Surgeons of India. PGIMER, RML Hospital, New Delhi. Oct. 25th ,2017.

Dr. Shaji Thomas , Faculty , PGIMER, RML Hospital, New Delhi, Regional Refresher Course, Association of Surgeons of India. PGIMER, RML Hospital, New Delhi. Oct. 26th-27th, 2017.

Dr. Shaji Thomas , Faculty , LHMC , New Delhi, CME on Women's Health. Dept of Obs & Gyn, LHMC, April 13th, 2017.

Dr. Shaji Thomas , Delegate, AIIMS , New Delhi, Updates in Management of Breast Cancer. National Cancer Institute, AIIMS. May 6th-7th, 2017.

Dr. Romesh Lal, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 AIIMS Surgical week , International conference, CME cum live workshop , March 16th to 19th ,2017 .

Dr. Romesh Lal, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi Nov. 10th-12th ,2017

Dr. Romesh Lal, Chairperson, MAMC, SURGERY UPDATE & NATIONAL CME, MAMC, SEPT'2017 Dr. Romesh Lal, Faculty , AMASICON, Kochi, AMASICON 2017, Kochi .Oct 26th- 29th, 2017.

Dr. Gyan Saurabh, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 -11th AIIMS Surgical week , International conference, CME cum live workshop , March 16th -19th 2017.

Dr. Manoj Andley, Chairperson, . LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10th-12th , 2017.

Dr. Manoj Andley, Faculty, MAMC, Surgery Update & National CME, MAMC, Sept. 2017.

Dr. Manoj Andley , Presented a paper titled "Randomised controlled study to compare surgical outcome of video assisted anal fistula treatment (vaaf)with conventional fistulotomy in low fistula in ano patients" Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March

22th-25th ,2017 .

Dr. Ashok Kumar, Chairperson , LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10th-12th ,2017

Dr. Deborshi Sharma, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10 -12th , 2017

Dr. Deborshi Sharma, Faculty, MAMC, Surgery Update & National CME, , Sept. 2017.

Dr. Deborshi Sharma, Faculty, AMASICON, Kochi, AMASICON 2017, Kochi, Oct. 26th- 29th, 2017.

Dr. Deborshi Sharma, Paper presentation , Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March 22th-25th 2017.

Dr. Priya Hazrah, Faculty , Delivered talk on " Functional imaging in GI malignancies "LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10th-12th ,2017

Dr. Gyan Saurabh , Faculty, Debate on Fistula in Ano: VAAFT vs. Conventional Surgical Techniques, Spoke in favour of VAAFT, LPMC , New Delhi, SURGICON-2017 / LPMC , New Delhi / 10-12th Nov'2017

Dr. Gyan Saurabh, Faculty, LPMC , New Delhi, MCI Revised Basic Course Workshop for Medical Education, NTTC. LPMC. Dec .4th -6th, 2017.

Dr. Gyan Saurabh, Presented a poster titled ,”Randomized trial to evaluate systemic inflammatory response after total extraperitoneal repair and transabdominal preperitoneal repair for Inguinal hernia “Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March 22th-25th 2017.

Dr. Gyan Saurabh, Chairperson, Expert in Panel discussion ,Hamdard Institute of Medical Sciences and Research ,Jamia Hamdard , New Delhi -110062. International conference on Surgical update , Dec.18th, 2017.

Dr. Gyan Saurabh , Faculty, PGIMER & RMLH , June 2017, Midterm CME of ASI Delhi State Chapter on Hernia and Colorectal Surgery, June 25th ,2017.

Dr. Sudipta Saha, Faculty, PGIMER & RMLH , June 2017, Midterm CME of ASI Delhi State Chapter on Hernia and Colorectal Surgery, June ,25th 2017.

Dr. Gyan Saurabh , Chairperson, AIIMS , New Delhi, BARIME 2017, ~~Dec. 1st~~ 2nd , 2017.

Dr. Gyan Saurabh, Guest Lecture , Advance Trauma Life Support Course, American College of Surgeons. Have delivered guest lecturers in various ATLS Provider & Instructor Courses held at AIIMS ,New Delhi and Dr.RML Hospitals , New Delhi.

Dr. Sudipta Saha , Presented Oral Paper- Can native arteriovenous fistula be safely made by trainees? Comparison of results of native arteriovenous fistula for vascular access made by trainees with that of Consultants, International Society of Surgeons, 47 th World Congress of Surgery, Basel, Switzerland , Aug. 13th-17th, 2017

Dr. Sudipta Saha , LPMC , New Delhi, SURGICON-2017 / LPMC , New Delhi / 10-12th Nov'2017 Dr. Sudipta Saha , Faculty- Delivered Lecture on Gall Stone Ileus, 18th and 19th February 2017 at AIIMS Delhi, fourth Continuing Medical Education in Surgery

Dr. Sudipta Saha , delegate, 13th Annual Surgical Oncology Workshop, Oncosurg 2017 ,8th to 10th December 2017, Tata Memorial Centre, Mumbai.

Dr. Arun Kapur, Chairperson, New Delhi, SURGICON-2017, LPMC , New Delhi, Nov.10th-12th ,2017.

Dr. Lalit Agarwal, Faculty , Delivered talk on “ Trouble shooting in laparoscopic surgery” LPMC , New Delhi, SURGICON-2017, New Delhi , Nov. 10th-12th ,2017

Dr. Kusum Meena, Chairperson, LPMC , New Delhi, SURGICON-2017 / LPMC , New Delhi , Nov. 10th-12th,2017.

Faculty Strength: 25

UNIVERSITY COLLEGE OF MEDICAL SCIENCES

Dr. Gupta VP, Ophthalmology

Dr. P. K. Jain Memorial Oration, awarded by Delhi Ophthalmological Society, New Delhi, 8 Apr 2017.
Bundelkhan Gaurav Samman by Bundelkhand Vikas Parishad, Jun 2017.
Lacrimal Award 2017 awarded by All India Ophthalmological Society, Feb 2018.

Dr. Grover C, Dermatology

Awarded the prestigious “BM Ambady Oration” by Indian Association of Dermatologists, Venereologists and Leprologists for “Onychology: an integral and vital part of clinical and surgical Dermatology” during the proceedings of DERMACON 2018, 46th National Conference of IADVL, held from at Kochi, Kerala, 18-21 Jan 2018.

Publications

Indexed : 345

Non-indexed : 10

Gupta, V. P., & Chaudhari, I. (2018). Palmoplantar Keratoderma with keratoconus. *Middle East Afr J Ophthalmol*, 25(1), 49-51.

Esakkiammal, N., Chauhan, R., & Sharma, R. (2017). Clinical implications of variable origin of external carotid artery branches and high level bifurcation of common carotid artery. *Int J Anat Res*, 5(2), 3958-3963.

Garg, P. K., Jakhetiya, A., Pandey, R., Chishi, N., & Pandey, D. (2017). Adjuvant radiotherapy versus Observation following lumpectomy in ductal carcinoma in-situ: A meta-analysis of randomized controlled trials. *Breast J*. Aug 22. Doi: 10.1111/tbj.12889.

Gomber, S., Dabas, A., Bagmar, S., & Madhu, S. V. (2018). Glucose homeostasis and effect of chelation on β Cell function in children with β -Thalassemia major. *J PediatrHematolOncol*, 40(1), 56-59.

Gupta, K., Gupta, R., Bhatia, M. S., Tripathi, A. K., & Gupta, L. K. (2017). Effect of Agomelatine and Fluoxetine on HAM-D Score, Serum Brain-Derived Neurotrophic Factor, and Tumor Necrosis Factor- α Level in Patients With Major Depressive Disorder With Severe Depression. *J Clin Pharmacol*. Doi: 10.1002/jcph.963.

Jahid, M., RehanUl, H, Chawla, D., Avasthi, R., & Ahmed, R. S. (2018). Association of polymorphic variants in il1b gene with secretion of il-1beta protein and inflammatory markers in north Indian rheumatoid arthritis patients. *Gene*, 30; 641, 63-67.

Kotru, M., Sharma, S., Pramanik, S. K., Purohit, A., Singh, G., Singh, A. K., Mutereja, D., Mishra, P., Seth, T., Tyagi, S., Mahapatra, M., Pati, H. P., Saxena, R. et al.(2017). Value of CD 16/Cd66b? Cd45 in comparison to CD55/Cd59/Cd45 in diagnosis of PNH: An Indian experiencei. *IJMR*, 146(3), 362-368.

Singh, N.P., Rani, M., Gupta, K., Sagar, T., & Kaur, I. R. (2017). Changing trend in antimicrobial susceptibility pattern of bacterial isolates in a burn unit. *Burns*, 43(5), 1083-87.

Tanveer, N. (2017). Controlling human papilloma virus: A public health perspective of treatment of anogenital warts. *Oncologist*, 22, 495-6.

Yadav, P., Singla, A., Sidana, A., Suneja, A., & Vaid, N. B. (2017). Evaluation of sonographic endometrial patterns and endometrial thickness as predictors of ectopic pregnancy. *Int J Gynecol Obstet*, 136, 70-75.

Journals

Published by the College	:	2
Number of college teachers serving	:	14
as Editor(s) Member(s) of Editorial Board		

Research Projects

Dr. Das S, "Investigation of mechanisms of emerging drug resistance in Trichophyton sp., the major causative agents of fungal skin infections".2017-2020, funded by DBT, Grant Rs 20 lacs

Dr. Mehndiratta M, Role of vitamins (A,C,D and E) telomere biology and keapl – Nrf2-ARE pathway in the development of idiopathic preterm prelabour rupture of membranes. 2017-19, ICMR, Grant Rs 22,31,260

Dr. Sharma AK, HIV vulnerability assessment study for selected female migrant populations in India. National AIDS Control Organization, MoHFW, Grant Rs 69,41528

Dr. Sharma S , To study the role of Type I regulatory T cells in skin in patients with Pemphigus vulgaris during acute disease and remission, 2017-18, UGC, Grant Rs 14,20,000

Dr. Sharma SB, Design and synthesis of alpha hydroxyin STZ induced diabetic rats, ICMR, New Delhi, 2015-18, ICMR, New Delhi, Grant Rs 30 lacs

Seminars Organised

“Hands on Head & Neck, Cadaveric Dissection and Reconstruction” a Workshop by the Department of ENT and Anatomy, Oct. 12th-14th 2017.

Acute Critical Care, a workshop by the Department of Surgery and Anatomy, 1 Jan. 2018.

Training of Trainers programme on Nutrition and Health Education for NGO personnel in the department organised by CFNEU, Food and Nutrition Board and Department of Community Medicine, UCMS, Dec. 19th-20th, 2017.

Botulinum Toxin hands-on training workshop for Senior Residents, Aug. 22nd 2017.

Postgraduate Assembly - ISA North Zone, Aug. 21st-27th, 2017.

Conferences Organised

3rd Post Graduate Conference (PGCON) North Zone organised at Conference Hall, UCMS and GTB, Sept. 9th-10th 2017.

Conducted workshop under IAMM – DC “Antibiotic Stewardship”, at UCMS & GTBH, Delhi, Dec 2017.

Microscopic techniques in microbiology” at UCMS & GTBH, Delhi, Oct 2017. Course on Clinical Examination for Postgraduates (COCEP), Delhi, March 16th-18th, 2018.

UCMS Surgical Oncology Update 2017, National symposium on recent advances in oncology & master Video Workshop, Indian Islamic Culture Centre, Lodhi Road, New Delhi, Oct. 7th-8th, 2017.

Seminar/Conferences Presentations

Dr. Gupta VP, Ophthalmology, Present paper and chair a scientific session in the III Mid Term Meeting of OPOA (Occuloplastics Association of India), Kashi-Eyeplasty 2017 at SS Hospital, BHU, Varanasi, UP, May 14th, 2017.

Dr. Saxena AK, Anaesthesiology, Annual conference of Indian Society of Anaesthesiologists, Delhi Chapter held at Scope complex Lodhi Road, New Delhi, April 8th-9th, 2017.

Dr. Chauhan R, Anatomy, Chaired a session in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi, Oct. 13th, 2017.

Dr. Sharma AK, Community Medicine, Conducted workshop on “Application of GIS in Public Health” at annual conference of Gujarat Chapter of IAPSM, Surat, Dec. 6th, 2017.

Dr. Singal A, Dermatology, 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi, Jan. 18th-21st, 2018.

Dr. Suneja A, Obstetrics & Gynaecology Guest Lecture on "Pregnancy after DVT" during XXXIII Annual Congress of ISOPARB held at IHC, Delhi, April 8th, 2017.

Dr. Arora V, Otorhinolaryngology, Hands on head and neck cadaver dissection and reconstruction workshop, Delhi. (Organizing Secretary), Oct. 12th-14th, 2017.

Dr. Dewan P, Pediatrics, Workshop on Ethics & GCP at Lady Hardinge Medical College, Delhi (Faculty), March 9th, 2018.

Dr. Gomber S, Pediatrics, Chairperson of National course on clinical examination for postgraduates organised at UCMS & GTB Hospital, May 2017 & Feb 2018.

Dr. Navneet Kaur, Surgery, Paper presentation on “A prospective study to evaluate post mastectomy sensory changes and persistent pain in patients of Breast Cancer” ASICON 2017, Jaipur, Dec. 27th-30th, 2017.

National/International MOUs Signed

UCMS & NACO Govt. of India signed a MoU to consider a multiple study on HIV related “High risk behavior among selected migrant families in India.”

Library Development

Total Budget:

Books	:	Rs. 11,17,900=00 (Rupees Eleven Lacs Seventeen Thousand and Nine Hundred Only)
Journals	:	Rs. 38,63,131=00 (Rupees Thirty Eight Lacs Sixty Three Thousand One Hundred and Thirty One)
NO. OF BOOKS ADDED (01/04/2017-31/03/2018)	:	255
Purchased :218 + WHO:04 + Donation:33		
TOTAL NUMBER OF BOOKS AS ON (31/03/2018)	:	20058

NO. OF JOURNALS SUBSCRIBED TO:

Foreign	:	53
Indian	:	47
Total	:	100
No. of Bound Journals as on 31/03/2018	:	24500

ON-LINE RESOURCES

Membership taken for ERMED Consortium started by NML providing 241 high quality e-journals published by four leading publishers.

Membership of Developing Libraries Network (DELNET). As per the users requests, the articles and books not available in the library were arranged through DELNET Inter Library Loan Service.

Access to E-journals free with print subscription.

Wi-Fi-enabled library and 21 computers for providing internet search facility to the users.

Faculty Strength

No. of Faculty: 96

Other significant information

Students with Distinctions

Dr. Isha Chaudhary, Dr. V P Gupta, Ophthalmology, Topical 5 – FU 1% 2nd prize in free paper session as primary treatment of OSSN.

Dr. Isha Chaudhary, Dr. V P Gupta, Ophthalmology, 3rd Prize for best posters to our poster on “Palmoplantar Keratoderma with Keratosis in ISCKRS 2017.

Dr. Rituparna Saha, Microbiology, Awarded best MMAC award for best oral presentation by PG students presented at IAMM – Dec.2017 (Delhi Chapter).

Dr. Taruna Bansal, Pathology, won the best oral paper award at the Annual Conference of Indian Association of Pathologists and Microbiologists 2017 organised by Gandhi Medical College Bhopal for her oral paper titled-“Prognostic Implication of YB1 expression in breast cancer : A therapeutic target in Her2 neu over expressing tumors.” The co authors for this paper were- Dr.Usha Rani Singh,Dr.Sonal Sharma, Dr.Nadeem Tanveer (Deptt of Pathology) and Dr. Navneet Kaur (Deptt of Surgery)

Dr. Sonali Verma, Pediatrics, Won National Research Award “VB Raju Endowment Award” for child health. At 55th National Conference of Indian Academy of Pediatrics – Pedicon 2018, Nagpur, Jan. 3-6, 2018.

V.P.CHEST INSTITUTE

Major Activities and Achievements

The Institute continued its ‘education’, ‘research’ and ‘patient care’ activities. The core academic, research and patientcare activities are carried out under Departments of Biostatistics, Biochemistry, Microbiology, Pulmonary Medicine, Pathology, Pharmacology and Physiology. Dedicated Patient care facilities include Viswanathan Chest Hospital, DOTS Centre, National Centre of Respiratory Allergy, Asthma and Immunology, National Tobacco Quitline, Cardio-Pulmonary Rehabilitation Clinic, Yoga Therapy Centre etc. The Institute also has a state-of-art Library, Animal House, Auditorium, Indoor Sports Complex, PG Students Hostel and Gymnasium.

Postgraduate students are trained for DM and MD degrees in Pulmonary Medicine; for MD Degree in Biochemistry, Physiology, Microbiology and Pharmacology, and for PhD degree in Chest Medicine and Allied sciences. The Institute also organised several Orations, Conferences, Workshops, Continuing Medical Education (CME) programmes, Public Lectures during the period. The Institute has been awarded over 20 research projects by various governmental agencies, namely, AYUSH, DHR, CCRUM, DST, DIPAS, ICMR, NIF to the tune of 14.81 crores

The clinical wing, VCH, a tertiary care center provided specialized clinical consultations, diagnostics and treatment services to patients. The OPD of the hospital registered 11864 new patients and 56823 follow-up cases. The IPD admitted 4258 patients in General and Emergency wards. The RICU admitted 357 patients.

22,899 patients were provided Emergency services. Specialized investigations included 2125 skin allergy tests, 22640 pulmonary function tests, 22097 x rays, 52574 clinical biochemistry, 5432 serum IgE tests, 9972 Arterial Blood Gases, 3943 microbiological tests, over 11000 tests mycological tests 31000 pathological, investigations.

Honours/Distinctions

Dr. Raj Kumar, Head, Dept. of Pulmonary Medicine & Head, National Centre for Allergy and Applied Immunology (NCRAAI)

Guest of Honour, In inaugural Session of International Conference, “Strategies for promoting inclusive Development” held in VPCI Auditorium, Delhi by Dr. Bhim Rao Ambedkar College, University of Delhi, Delhi, March 18, 2018.

Environmental Excellence Award 2017, Exemplary Contribution for protecting environment by Environment and Social Development Association (ESDA) Delhi, India, Dec. 28th, 2017.

Fellow, National Academy of Medical Sciences, New Delhi, Oct. 28th, 2017.

Publications

Aditi, Shariff, M., Chhabra, S.K., & Rahman, M. (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66, 1489-1498.

Aggarwal, T., Wadhwa, R., Rohil, V., & Kumar P. (2017). Biomarkers of oxidative stress and protein-protein interaction in chronic obstructive pulmonary disease. *Arch PhysiolBiochem*. Doi: 10.1080/13813455.2017.1387796.

Arendrup, M.C., Prakash, A., Meletiadiis, J., Sharma, C., & Chowdhary, A. (2017). Comparison of EUCAST and CLSI reference microdilution MICs of eight antifungal compounds for *Candida auris* and associated tentative epidemiological cutoff values. *Antimicrob Agents Chemother*, 61, e00485-17.

Giri, A., Gupta, S., Safi, H., Narang, A., Shrivastava, K., Kumar, S.N., et al. (2018). Polymorphisms in Rv3806c (ubiA) and the upstream region of embA in relation to ethambutol resistance in clinical isolates of *Mycobacterium tuberculosis* from North India. *Tuberculosis (Edinb)*, 108, 41–46.

Pandey, A., Kulshrestha, R., Menon, B., Rajkumar, & Gaur, S.N. (2018). Anthracotic pigment in transbronchial lung biopsy: An innocent bystander or pathogenic agent for parenchymal lung disease. *Indian J Chest Dis Allied Sci*, 60, 27-31.

Pooja, B., Vishal, B., & Jamal, A.M. (2017). Comparison of different volumes of high intensity interval training on cardiac autonomic function in sedentary young women. *Int J Adolesc Med Health*, 0(0), 1-13. Doi: 10.1515/ijamh-2017-0073.

Prakash, A., Randhawa, H.S., Khan, Z.U., Ahmad, S., Hagen, F., Meis, J.F., & Chowdhary, A. (2018). Environmental distribution of *Cryptococcus* species and some other yeast-like fungi in India. *Mycoses*, 61, 305-313.

Journals

Publishes Indian Journal of Chest Diseases and Allied Sciences (IJCDAS)

Dr Raj Kumar, Editor-in-Chief, IJCDS, VP Chest Institute, Delhi, Nov. 2017

Research Projects

Funded by ICMR in the year 2015. Carried out for a period of 3 years. Indoor air pollution and asthma exacerbation in children: A population based study. With an amount sanction of Rs. 125.00 lakhs.

Funded by DST in the year 2016-19. Carried out for a period of 3 years. Regulation of TET2 protein by erythropoietin (EPO) during erythrocyte differentiation in human and to investigate its role in acute myeloid leukemia. With an amount sanction of Rs. 50.44 lakhs.

Funded by DST for the year 2017-20. Carried out for a period of 3 years. Identification of novel transcripts and non-coding RNA in Fuchs' Endothelial Corneal Dystrophy (FECD). With an amount sanction of Rs. 71.91 lakhs.

Funded by DST in the year 2015. Carried out from 2015-2018. Study of the post transcriptional mechanisms underlying pulmonary fibrosis and their modulation by therapeutic agents. With an amount sanction of Rs. 57.45 lakhs.

Seminars Organised

Total number organised: 6

42nd Workshop on Respiratory Allergy: Diagnosis and Management) (April 24-28, 2017).

CME Programme on Clinical Trials Perspectives and Trends (June 30, 2017)

Symposium on Recent Advances in Nitric Oxide (NO) Research and its Impact on Therapy (Sept. 6, 2017).

National Workshop on "Advancement in Immunology" (Hands-on Training) (Oct. 12-13, 2017)

Workshop on "Good Inhalation Therapy Practices for Nursing Staff" (Nov. 27-29, 2017)

Workshop Update on Bronchial Asthma & Good Nebulization Practice (Nov. 30, 2017)

Conferences Organised

1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy (Dec. 8-9, 2017) where VPCI had entered into an MoU with the Department of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

Seminar/Conference Presentations

Dr. Raj Kumar presented on the topic Masterclass- Allergy Diagnosis and Allergen Immunotherapy' in a conference organised and held at University Hospital Munster, Germany, April 5th-8th, 2017.

Dr S.K. Bansal was a resource person in Brainstorming Workshop on Formulating the R&D Strategy on Respiratory Disorders conducted by Central Ayurveda Research Institute for Respiratory Disorders (CARIRD) in Patiala on April 1st, 2017

Dr. Malini Shariff gave a guest lecture in a CME on CME on "Microscopy to Microarray: Reducing time to Diagnosis" organised by Indian Association of Medical Microbiologists (Delhi Chapter) in Delhi on Dec 8th, 2017

Dr. Mandira Varma Basil gave a lecture on "Contribution of Efflux pumps in Rifampicin resistance in clinical isolates of M. tuberculosis" in 38th Annual Congress of European Society of Mycobacteriology organised by European Society of Mycobacteriology in Sibenik, Croatia from, June 25-28, 2017

Dr. Anuradha Chowdhary gave a guest lecture on "Candida auris: an emerging global infectious threat" in Annual Meeting of the Dutch Society for Microbiology in Papendal Netherlands organised by Dutch Society for Microbiology, April 11th-12th, 2017.

Dr. Madhu Khanna presented a poster on "Suramin: A potent ameliorating agent to inhibit influenza A virus replication" in 5th ISIRV-AVG Conference on Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions in Shanghai, China organised by ISIRV Antiviral Group, June 14th-16th, 2017.

Dr. Anita Kotwani delivered a talk on "One-Health Approach to Combat Antimicrobial Resistance – Overview of Global and National Action Plan" in Golden Jubilee – Indian Pharmacological Society Conference, NRIPSCONGhaziabad, Uttar Pradesh from organised by Indian Pharmacological Society, September 1st-2nd, 2017.

Dr. Kavita Gulati, Chairperson and delivered talk on "Adaptogenic effects of Unani herbs and gastric cytoprotection: molecular mechanisms" in IUPHAR-GI Section meeting in Novigrad, Croatia organised by International Union of Basic and Clinical Pharmacology, June 08th-10th, 2017.

Dr. Vishwajeet Rohil presented a paper entitled, "Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation" in 25th World Congress on Cancer & Science and Therapy Baltimore, Maryland, USA organised by Conference series LLC from Oct. 18th-20th, 2017.

Dr. Ritu Kulshrestha presented a paper on "bFGF/FGFR-1,2 signaling pathway during the remodeling of pulmonary extracellular matrix" in International Symposium on Immunohistochemistry in Aalborg, Denmark organised by Department of Pathology, Tata Medical Centre, Kolkata, Jan. 04th-07th, 2018

Dr. Vishal Bansal, gave a lecture on "Pulmonary Rehabilitation for Physiotherapists" in Pre-congress Workshop of Annual Academic Sessions of Sri Lanka College of Pulmonologists – RESPIRE-IX in Colombo, Sri Lanka organised by Sri Lanka College of Pulmonologists, July 6, 2017.

Dr. Nitin Goel treasurer and delivered talk on “Practical training of Allergy testing” in 42nd Workshop on Respiratory Allergy: Diagnosis and Management in Delhi organised by V.P. Chest Institute and CSIR-IGIB, April 24th-28th, 2017.

Dr. Sonam Spalgais gave a lecture on “Role of FENO in Asthma” in 43rd Workshop on Respiratory Allergy: Diagnosis and Management Delhi organised by V.P. Chest Institute and CSIR-IGIB, June 18th-22nd, 2018.

Dr. Parul Mrigpuri, Joint Secretary & delivered talk on “Allergen vs Irritant- Which is relevant?” in 43rd Workshop on Respiratory Allergy: Diagnosis and Management Delhi organised by V.P. Chest Institute and CSIR-IGIB, June 18th-22nd, 2018.

National/International MoUs Signed

With Indian/Foreign Universities ... 01

VPCI had entered into an MoU with the Department of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

Other Inter-Institutional Collaboration

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi.

All India Institute of Medical Sciences, New Delhi.

National Institute of Immunology, JNU, New Delhi

Defence Institute of Physiology and Allied Sciences, DRDO, Timarpur Delhi

CSIR-IGIB (Institute of Genomics and Integrative Biology), Mall Road, Delhi

Centre for Physiotherapy & Rehabilitation Sciences, JamiaMiliaIslamia, New Delhi.

Indian Spinal Injuries Centre, VasantKunj, Delhi-110070

Library Development

The VPCI Library has back volumes of several journals more than 100 years old. It also has a very good comprehensive collection of serial publications like Annual Reviews, Years books, Recent advances. The Institute has one of the best library in the field of Pulmonary Disease and Allied Sciences having 10,086 Books, J-25,025 bound Journals, 175 CD's, 566 Thesis and 20 National and International Reports. A total of 115 Journals (110 International and 05 National) are being subscribed by the library, 16 Journals (06 International and 10 National) are being received on exchange programme with the Institute's Journal and 33 Journals (09 International and 24 National) are received on complimentary basis.

Faculty Strength: 15

Financial Allocation and Utilization

Grant sanctioned : Rs. 62.78 Crores; Utilized : Rs. 54.19 Crores

Other significant information

The Tobacco Cessation Clinic, Yoga Therapy and Research Centre and Cardio has provided counseling services to 398 new and 172 follow-up subjects. The Yoga Therapy and Research Centre have provided services to 3846 subjects for healing different categories of diseases by Yoga. The Cardio-Pulmonary Rehabilitation Clinic at Vishwanathan Chest Hospital, VPCI is involved in management of chronic respiratory patients and provided breathing retraining education, rehabilitation programme services to over 400 patients. National Tobacco Quit Line service (NTQLS) a telephone-based free-of-cost counseling service, accessed through a toll-free no. 1800-11-2356, received over 50,000 phone calls and provided appropriate counseling to quit use of tobacco. The hospital Implemented the e-Hospital Management System which is a workflow based ICT solution meant for the government hospitals. Through Online Registration System (ORS), counter-based OPD registration and appointment system has been digitalized. Department of Biochemistry conducted Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial asthma. Department of Microbiology at VP Chest Institute is actively involved in diagnostics, teaching and research and about 3747 (Bacteriology), 973 (Serology), 91 (Anaerobic), 10,000 (Mycobacteriology), 4906 (Mycology), 76(Virology) clinical specimens were processed in the routine diagnostic laboratory. Department of Pharmacology is

conducting epidemiology studies on antimicrobial resistance (AMR) and involved to oversee and coordinate policy decisions and is also a recognized adverse drug reaction monitoring center (AMC) in the Pharmacovigilance Program of India (PvPI), Govt. of India. The Institute conducted the VPCI Sports & Cultural Activity Programme from 29th December 2017 to 7th January 2018.

FACULTY OF MUSIC AND FINE ARTS

Major Activities and Achievements

On 21 June 2017, the Department celebrated the International Yoga Day by holding a workshop on Yoga. Thereafter, the annual Festival of Music – Malhar Utsav, which celebrates the spirit of the Rainy season, was organised at the Department from 31 Aug. – 1 Sept. 2017. Thereafter, a workshop on Harmonium was conducted by Pt. Vidyadhar Oak on 26 Sept. 2017. On 13 Dec. 2017, the Department organised a concert by a Hungarian folk group – Kalaka - in collaboration with the Dept. of Slavonic & Finno-Ugrian Studies, University of Delhi. On 1 Feb. 2018, the Department organised Basant Panchami, the annual Festival of Music, celebrating the essence of the Spring season. UGC International seminar – “Indian Classical Music: Teaching and Performing Abroad” was organised in collaboration with Indian Council for Cultural Relations (ICCR) on 27-28 February 2018 at the Conference Centre, University of Delhi. From 13 -16 Mar. 2018, a workshop on ‘Instrument Making, Repairing & Maintenance’, was organised in collaboration with the Sangeet Natak Akademi, where Instrument makers of Tanpura, Sitar, Tabla and Mridangam demonstrated the art of making and repairing instruments.

Publications

Das, Nabindra Nath. (2017). *Prakhyat sitar vadak pandit Indranil Bhattacharya*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Goswami, Vineet. (2017). *Ragadari yukt bhakti rachnaye: pandit Vishnu digambar paluskarke prayog*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Khan, Anis Ahmad. (2017). *Hazrat amir khusrau ke prachalit raga, tala evam geet*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Krishan, Gopal. (2017). *Swami D. R. Parwatikar ka Bhartiya Sangeet mein Yogdaan*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Nandi, Panchali. (2017). *Professor Dhruva Tara Joshi: Ek mahaanvyaktitva*. Delhi: Sanjay Prakashan.

Phondni, Vikas. (2017). *Sant Sangeetagya Pandit Ramashray Jha: Vyaktitvaevam krititva*. Delhi: Akanksha Publishing House.

Phondni, Vikas. (2017). *Rajasthani bhasha mein rachit bandishein: Ekadhyayan*. Delhi: Akanksha Publishing House.

Sangeeta. (2017). *Shiksha ke kshetra mein Sangeet kisthiti*. Delhi: Swaraj Prakashan.

Sharma, Rajesh Kumar. (2017). *Sangeet Shodh Sanchayan*. Delhi: Sanjay Prakashan.

Suraj. (2017). *Raginigayan: Ek samriddha parampara*. Delhi: Y. E. Books Prakashan.

Journals

Vageeshwari (March 2018) is under the process of publication

Number of Department teachers serving as Editors/Members of the Editorial Board: 9

Seminar Organised

The Department organised a UGC International seminar titled – “Indian Classical Music: Teaching and Performing Abroad” in collaboration with Indian Council for Cultural Relations (ICCR), an autonomous body under the Ministry of External Affairs, Govt. of India, on 27-28 February 2018 at the Conference Centre, University of Delhi, where Prof. T.K. Das, Registrar, University of Delhi, was the Chief Guest, while Ms. Padmaja, Deputy Director General, ICCR, was the Guest of Honour.

The following were the Speakers –

Dr. Joep Bor, is a botanist, Sarangi artiste and musicologist, as also a Professor at the Academy of Creative and Performing Arts, Leiden University, The Netherlands, delivered the Key Note Address (27 February 2018)

Dr. Saskia Rao-de Haas, renowned Cello artiste in Hindustani music, originally from the Netherlands, spoke on “The Teaching and Performance of Hindustani Classical Instrumental Music Abroad” (27 February 2018)

Dr. Stan Scott, a Hindustani vocal artiste from the USA, presented his views (video recorded) on “The Teaching and Performance of Hindustani Classical Vocal Music in the USA”. In his absence, his teacher and renowned vocalist of the Gwalior gharana – Pandit Vidyadhar Vyas, answered queries from the audience (27 February 2018)

Dr. Sooryakanti Gayan, Director General, Mahatma Gandhi Institute, Mauritius, spoke on the “The Teaching and Performance of Hindustani Classical Vocal Music in Mauritius” (27 February 2018)

Dr. Shankar Rajan, Principal, Singapore Indian Fine Arts Society (SIFAS), Singapore, spoke on the “The Teaching and Performance of Karnatak Classical Music in Singapore” (28 February 2018)

Dr. Dhruv Chandra Regmi, an Associate Professor at Padma Kanya Multiple Campus, Tribhuvan University, Kathmandu, Nepal, is a Sitar artiste. He spoke about “The Teaching and Performance of Hindustani Classical Instrumental Music in Nepal” (28 February 2018)

Prof. Asit Roy, is a renowned Hindustani classical vocalist and *Chairperson in the Department of Theatre and Music, Rajshahi University, Dhaka, Bangladesh*. He spoke on “The Teaching and Performance of Hindustani Classical Vocal Music in Bangladesh” (28 February 2018)

Dr. Nirmala Kumari Rodrigo, is a Senior Lecturer at the University of Visual & Performing Arts and a super grade artiste in Sitar and Vocal Music at the Sri Lanka Broadcasting Corporation. She presented her views on “The Teaching and Performance of Hindustani Classical Instrumental Music in Sri Lanka” (28 February 2018)

Pandit Samir Chatterjee, is a renowned Tabla artiste, originally from Kolkata, India, but based now in the USA. He is an ‘A’ graded artiste of the All India Radio and Doordarshan. He spoke about the “The Teaching and Performance of Hindustani Classical Percussion Music in the USA” (28 February 2018)

Conference Organised

The Malhar Utsav 2017 was organised by the Department of Music. It is a two day festival of Indian classical music, organised by the Dept. of Music, University of Delhi, each year in the months of August-September. It celebrates the joy and spirit of the Rainy season, through vocal and instrumental renditions of the many varieties of the "Malhar" raga. This year, the Utsav was organised at the Sumati Sabhagar, Dept. of Music, University of Delhi on 31 August – 1 September, 2017.

This year, there were performances by renowned artistes, viz. – Surbahar recital by Pt. Pushpraj Koshthi from Mumbai, Karnatak classical vocal recital by Ms. J. Nandini from Thiruvananthapuram, Santoor recital by Smt. Shruti Adhikari from Bhopal, and Hindustani classical vocal recital by Vidushi Arati Anklikar Tikekar from Pune.

Other Inter-institutional collaboration

A four-day workshop on ‘*Instrument Making, Repairing & Maintenance*’, was organised from 13-16 March 2018, in collaboration with the Sangeet NatakAkademi, New Delhi, an autonomous body under the Ministry of Culture, Govt. of India. where Instrument makers of various musical instruments demonstrated the art of making and repairing instruments :

Tanpura	-	Shri Farukh Satar Maker (from Miraj, Maharashtra)
Sitar	-	Shri Mangla Prasad (from Kolkata)
Tabla	-	Shri Qasim Khan (from Delhi)
Mridangam	-	Shri Jothi Parakash M.R. (Chennai)

Extension and Outreach Activities

The Departmental Choir, known as the Sargam Choir, performed at the following places–

Performed on the occasion of Gandhi Jayanti 2017 at the Gandhi Bhawan, University of Delhi, in the presence of the Vice Chancellor of the University of Delhi - Prof. Yogesh Tyagi, and Registrar - Prof. T.K. Das.

Performed at the ‘Rajaswa Gyan Sangam 2017’ at the Vigyan Bhawan, New Delhi, in the presence of Prime Minister - Shri Narendra Modi, and Finance Minister – Shri Arun Jaitley, in May 2017

Performed during the inauguration of the Annual Convocation in Nov. 2017

Performed in the august presence of the President of the Federal Republic of Germany – Mr. Frank-Walter Steinmeier, at the Convocation Hall, Vice regal Lodge, University of Delhi, on 23 March 2018

Performed on the occasion of the Foundation Day, University of Delhi, on 1 May 2017, at the Convocation Hall, Viceregal Lodge.

Performed in the presence of the Vice President of India – Mr. Venkaiah Naidu, along with the Vice Chancellor, University of Delhi – Prof. Yogesh Tyagi, along with Prof. Suneera Kasliwal at the Vice regal Lodge during the inauguration of the Delhi School of Journalism, on 21 Dec. 2017

Performed in the presence of former President of India – Mr. Pranab Mukherjee, at the inauguration of a National Seminar on Rights of Persons with Disabilities, on 12 Feb. 2018 at the Law Faculty, University of Delhi

Number of Ph.D. /M.Phil. Awarded:

Ph.D - 12

M.Phil – 25

Faculty Strength

Sanctioned strength : 41

Total teachers working : 26

Professor : 10

Associate Professor : 0

Assistant Professor : 6

Asst. professor (ad-hoc) : 7

Guest lecturer : 3

Other significant information

The following activities took place in the Department –

A workshop on Yoga to celebrate the International Yoga Day on 21 June 2017

Pt. Harekrishna Halder, from West Bengal, conducted a workshop on Khol, a traditional Bengali folk instrument in August 2017.

A workshop on Harmonium was conducted by Pt. Vidyadhar Oak on 26 Sept. 2017.

A workshop on Pakhawaj, an instrument of Hindustani Percussion music, was conducted by renowned maestro of the instrument – Pt. Dalchand Sharma, on 11 October 2017.

On 13 Dec. 2017, the Department organised a concert by a Hungarian folk group – Kalaka - in collaboration with the Dept. of Slavonic & Finno-Ugrian Studies, University of Delhi.

On 1 Feb. 2018, the Department organised Basant Panchami, the annual Festival of Music, celebrating the essence of the Spring season. In this, all the staff members and students performed Pushpanjali (prayer) of Ma Saraswati, and thereafter, a few select teachers and students paid their obeisance to the deity through performances in Indian classical music. Renowned Santoor artiste and the Chief Guest – Pt. Bhajan Sopori, gave away prizes to students who secured positions of merit in the Annual Inter-class Music Competition, held from 27-29 Sept. 2017.

FACULTY OF SCIENCE

ANTHROPOLOGY

Major Activities and Achievements

The Department of Anthropology is committed to dissemination of anthropological knowledge through innovative teaching and collaborative research activities. It has 19 faculty members with expertise in diverse fields of specialization. In 2017-18, faculty members of the department demonstrated their merit by

publishing in high impact factor journals, participating in international conferences and engaging in international collaborative research involving prestigious research grants, thereby bringing laurels to the department. The department organizes seminars and conferences on contemporary topics in Anthropology and Forensic Science to assemble scholars, students and alumni of the Department on a common platform to deliberate on major research issues. The faculty is often honored by prestigious positions that signify their merit and leadership in interdisciplinary fields of knowledge. The students of anthropology are trained and equipped to establish themselves as anthropologists in governmental & non-governmental organizations and research institutions, for both academic and outreach activities, in India and abroad.

Honours/Distinctions

Prof P. C. Joshi, Member of the Scientific Advisory Committee (SAC) of the Jabalpur Centre for Tribal Health, Indian Council of Medical Research, Government of India, November 2017.

Prof. P. C. Joshi, Expert Member in the Government of India Commission for Examining Sub-categorization of OBCs, March 12, 2018.

Publications

Bandooni, S. K., Hasija, A.M., Devi, M.L. and Joshi, P.C. (2017). The Participation of Local Communities and NGOs: A step towards sustainable development in Garhwal Himalaya. *World Focus*. No 450: 111-117.

Bansal, A. & Joshi, P. C. (2017). Assessment of Cardiovascular Risk Factors among Sunni Muslims of Delhi, India. *Eurasian Journal of Anthropology*. 7 (2): 37-50. DOI: 10.12973/eja.2017.0055a

Chandel, S. & Malik, S. L. (2018). Inter-population variation in body size and body proportion among Kshatriya and Kurmi females of Uttar Pradesh, India. In Sudipta Ghosh and D.K. Limbu (Ed.). *Readings in Biological Anthropology*, (pp.45-55). Delhi: B. R. Publishing House.

Chandel, S., Rhetso, A., Malik, S. L., & Kulshreshtha, M. (2018). The association between Body Physique and Physical Fitness: a cross-sectional study among a tribal community of Dadra and Nagar Haveli, India. *International Journal of Applied Exercise Physiology*. 7 (1), 11-20.

Chandel, S., Thakur, M., Saraswathy, K. N. (2017). Age related changes in Handgrip strength and its association with ACE I/D gene polymorphism among adults: A cross-sectional study on Jat population of Haryana. *J. Indian Anthropol. Soc.*, 52, 185-197.

Chandiok, K., Mondal, P. R., Yadav, S., Saraswathy, K. N. (2017). Significant association of history of miscarriage with Obesity among Indian women of childbearing age. *Online J Health Allied Scs*. 16(1), 2.

Chandiok, K., & Monda, R. R. (2017). One Carbon Metabolism and Cardio-Metabolic risk. *Voice of Intellectual Man-An International Journal*, 7(2): 135-144.

Chandiok, K., & Mondal, P.R. (2017). Role of Microscopy in Forensic Science Research and Investigation. *Indian Internet Journal of Forensic Medicine & Toxicology*, 15(3), 55-58.

Chattopadhyaya, I. (2017). Seeing the (in) visible: Aesthetics in Prehistoric Rock Paintings, In Rajesh Purohit (Ed.). *Aesthetics in Indian Art*, Allahabad, UP: Allahabad Museum Publication.

Das, S., & Chandel, S. (2017). Association between blood pressure and anthropometric indicators of obesity among elderly rural women of India. *Indian Journal of Health and Wellbeing*, 8(9), 950-953.

Das, S., & Chandel, S. (2018). Frailty Pattern among the Elderly Rural Women of India. *Indian Journal of Gerontology*, 32(2), 138-148.

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- Zhimo, Avitoli. G. (2018). Customary laws, patriarchy and gender relations in contemporary Sumi Naga Society'. In Behera, M.C. (Ed.) *Revisiting Tribal Studies: A Glimpse After Hundred Years*. Jaipur: Rawat Publications. [ISBN 9788131609361].

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Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board:

Dr. Chakraverti Mahajan, Assistant Editor: *The Asian Man* (2015- till date).

Research Projects

DST, Start up grant for Young Scientists, “Quality of life with metabolic syndrome and its associated genetic markers among North Indian adults”, 2015-2018, Dr. Meenal Dhall, PI, Rs. 25.0 Lakhs.

DU-DST Purse Grant, “Association of genetic variants with symptoms of metabolic syndrome among urban and rural population groups”, 2014-2018, Dr. Meenal Dhall, Co-PI, Rs.31 Lakhs.

Wellcome-DBT India Alliance Intermediate Fellowship Award for Research, 2017-2022, Dr. Vipin Gupta Rs. 3.81crores

Indian Council of Medical Research (ICMR), “Anthropological Study of high risk community Lohanas of Gujarat for β -thalassaemia: genetic heterogeneity and origin of 619 bp deletion mutation (with components of ancestry based carrier screening and genetic counselling of affected families for prevention)”, 2014-2017, Dr. Benrithung Murry, Rs. 43 Lakhs.

Indian Council of Social Science Research, “Determinants of Suicidal Behaviour: A Study from Telangana State, India”, 2017 – 2019, Prof. P.C. Joshi, Rs. 8.00 Lakhs.

Seminars Organised

Total No.: 8

Dr. K.N. Saraswathy &Dr. NaoremKiranmala Devi organised an International Workshop for the development of full proposal involving tri-country collaboration between UK-India-Bangladesh, under the Newton Fund funded by DBT-DFID-ESRC-MRC Global Research Programme Panel;July 17-19, 2017.

The Departmentorganised a One-day National Workshop on “Ethics & Plagiarism in Research”; September 23, 2017.

The Departmentorganised a National Seminar on “Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics”; October2 - 3, 2017.

The Departmentorganised a One-day National Seminar on “Biological diversity and adaptability across different ecozones”; October 4, 2017.

The Department organised the Ist National Forensic Science Conclave: “Role of Universities in Nurturing the Discipline”; February 10, 2018.

The Departmentorganised a National Seminar on "Anthropology, Health and Development: Trends and Future Perspectives"; February 20-21, 2018.

Prof. P. C. Joshi organised a National Seminar in collaboration with Department of Studies in Anthropology, Pt. Ravi Shankar University, Raipur; March, 2018.

The Department organised a One-day Seminar on International Yoga Day; June 21, 2018 in the Department of Anthropology, University of Delhi, Delhi.

Conferences Organised

Dr. Chakraverti Mahajanorganised a panel - P46,“Everyday State and its Discontents: Understanding State-Society interactions in South Asia”in the International Conference on“*Shifting States*”organised by the Association of Social Anthropologists of the UK and Commonwealth at the University of Adelaide, Australia. December 11-15, 2017.

Seminars/Conference Presentations

Chattopadhyaya, I.and Das, D., “Adaptive strategies and resource management for development:A case study in Assam”; National Seminar on Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics;Organised by Department of Anthropology, University of Delhi; 2-3 October 2017.

Chattopadhyaya, I., “*On Human Mobility: A study of Prehistoric hunter-gatherers' mobility pattern between Ganga valley and central India*”; 3rd Annual International Conference on Anthropology, 12-15 June 2017, Athens, Greece.

Dhall, M., Invited Lecture, “*Yoga and Health: An Anthropological perspective*”, Workshop on Yoga and Nation Building: An Anthropological Perspective; 21 June 2017 Organised by Department of Anthropology, University of Delhi

Gupta, V., “*Challenges in conducting reproducible science*”, National Seminar on Biological Diversity and Adaptability in Different Eco Zones of India”; Organised by Department of Anthropology, University of Delhi; 4th October, 2017.

Gupta, V., “*Gestational Route to Healthy Birth*”. Wellcome Trust/DBT India Alliance Annual Meeting 2018, New Delhi. 17-19 May, 2018.

Joshi, P.C., Presidential Address, National Seminar on the theme “Relevance of Medical Anthropology and Tribal Health Care systems in the Globalizing World” at Raipur, Chhattisgarh; 16-18 March, 2018.

Mahajan, C., “*Militarism and Mental Health: Ethnographic Notes from Jammu and Kashmir*”; National Seminar on Relevance of Medical Anthropology and Tribal Health Care Systems in the Globalizing World at the School of Studies in Anthropology, Pandit Ravishankar Shukla University (PRSU), Raipur, Chhattisgarh; 16-18 March, 2018

Mahajan, C., “*Partition of the Household: Property Inheritance and Family Dynamics among Muslim Gujjars of Jammu and Kashmir*”; National Seminar on ‘Redefining Concepts: Tribe, Caste and Family’ organised by the Ethnographic and Folk Culture Society in collaboration with Department of Sociology and Department of Anthropology, Lucknow University, Uttar Pradesh; 26-27 March 2018.

Mahajan, C., “*Writing the Aftermath: Electoral Politics, Development and Routinisation of Communal Violence in Jammu and Kashmir*”, International Conference: *Shifting States* organised by the Association of Social Anthropologists of the UK and Commonwealth at the University of Adelaide, Australia; 11-15 December 2017.

Manoj K. Singh, Invited Lecture, “*Earliest Evidence of Culture in Europe*”, 105th Indian Science Congress, Manipur University, Imphal; 19 March, 2018.

Manoj K. Singh, “*Transition of Cultures in Eastern Ghats, Andhra Pradesh*”, International Seminar on Recent Field Researches and Scientific Studies in Indian Archaeology at Department of AIHC & Archaeology, Banaras Hindu University, Varanasi; 4-6 November, 2017.

Manoj K. Singh, “*Evidence of Mode I Culture in European Prehistory*”, Joint Annual Conference of IAS, IS PQS & HCS at Department of AIHC & Archaeology, Banaras Hindu University, Varanasi; 4-6 November, 2017.

Manoj K. Singh, “*Transition of Culture in Sagileru Basin, Prakasam District, Andhra Pradesh*”, Indian Anthropology Congress at Department of Anthropology, Gauhati University, Guwahati; 21-23 February, 2018.

Mitra, R.P., “*Tribal Transformation in Urban Fringes of Udaipur, Rajasthan*”, National Seminar on The Role of Anthropology and Forensic Science in National Development, Organised by Department of Anthropology, University of Delhi; 24 - 25 March, 2017.

Mitra, R.P., “*New Vulnerabilities and Practice of Development*”, National Seminar on Development and Social Justice organised by IGNOU, New Delhi; 15-16 February, 2018

Mitra, R.P., “*Happiness Turn In The Practice Of Development*”, National Seminar on Development and Sustainability, organised by ASI, Ministry of Culture, Government of India; 22-23 March, 2018 at Guest House, University of Delhi.

Mitra, R.P., “*Cultural Pluralism and Cultural Communication: Bridging the Gap for Sustainable Development*”, National Seminar on Dialogue on Cultural Diversity and Development organised by Western Regional Center, ASI, Ministry of Culture, Government of India. 21 May, 2018

Mitra, R.P., Keynote Speaker, “*Shamanism and Healing in Tribal Religion*” in National Seminar on Relevance of Medical Anthropology, organised by Pt. Ravishankar Shukla University, Raipur and Society for Indian Medical Anthropology (SIMA); 16-18 March, 2018.

Mondal, P.R., “*Anthropological approach to study nutritional status in India*”, National Seminar on Biological Diversity and Adaptability in Different Eco Zones of India organised by Department of Anthropology, University of Delhi, Delhi; 4 October, 2017.

Saraswathy, K.N., “*Understanding micronutrient deficiencies in human health: An Anthropological perspective*”, National Seminar on Relevance of Medical Anthropology, organised by Pt. Ravishankar Shukla University, Raipur and Society for Indian Medical Anthropology (SIMA) at Raipur; 16-18 March, 2018.

Saraswathy, K.N., “*Folic acid supplementation & the puzzle of Vitamin B12 Deficiency: An Anthropological insight*”, National Seminar organised by Department of Anthropology, University of Delhi, New Delhi; 30 October, 2017.

Singh, M.K., Invited Lecture, “*Yoga and Well-being*”, International Yoga Day, Department of Anthropology, University of Delhi, Delhi; 21st June 2017.

Singh, M.K., Keynote Speaker, “*Problem of Insurgency and Ethnicity in Manipur*”, National Seminar on “*Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics*” Department of Anthropology, University of Delhi; 2–3 October, 2017.

Singh, M.K., “*Food and Cultural Heritage: An Anthropological Perspective*”, National Seminar on Cultural Heritage of Manipur, Department of Anthropology, Manipur University, Chanchipur Manipur; 7-8 September, 2017.

Singh, M.K., “*Sport Culture and Youth in North -East India: An Anthropological Perspective*”, National Seminar on Anthropology, Health and Development: Trends and Future Perspectives, organised by Department of Anthropology, University of Delhi, Delhi; 20-21 February 2018.

Singh, M.K., “*Entrepreneurship Development: A Boon to Socio-Economic Development*”, National Seminar on Role of Anthropology and Forensic Science in National Development, Department of Anthropology, University of Delhi, Delhi; 24-25 March 2017.

Singh, M.K., “*Yoga: As a Profession*”, International Yoga Day, Department of Anthropology, University of Delhi, Delhi; 21 June 2018.

Srivastava, M., “*The Wings that fly us home: A review article on the Tibetan Nuns Project*”, National Seminar on Anthropology, Health and Development: Trends and Future Perspectives organised by Department of Anthropology, University of Delhi; 20-21 February, 2018.

Zhimo, A.G., Keynote Address, “*Environment, Development and Gender: The case of community participation in building a dream road in India's Northeast*”; National Seminar on Environment, Sustainable Development and Future perspective in Northeast India: Emic and Etic Dynamics; Organised by Department of Anthropology, University of Delhi; 2-3 October 2017.

Students under Exchange Programme

Maximilian Apel, a Bachelor's Student of Social and Cultural Anthropology (5th Semester) of Freie Universität Berlin, Berlin, Germany is currently studying in Department of Anthropology under Foreign Student Exchange Programme between January to May 2018.

Ms. Whitney Russell, a Fulbright-Nehru Scholar from University of San Diego, USA is currently based in the Department of Anthropology w.e.f. January 2018.

Extension and Outreach Activities

Dr. Chakraverti Mahajan went to Gurdaspur, Punjab with a team of 20 M.Sc. 2nd year (Group B) students and two laboratory staff from 31st January 2018 to 17th February 2018 for annual dissertation fieldwork.

Dr. K.N. Saraswathy and Dr. Shivani Chandel went to Lucknow, Uttar Pradesh with 16 M.Sc. 2nd year (Group A) students and two laboratory staff from 5th February 2018 to 15th February 2018 for annual dissertation fieldwork.

Suryasnata Mazumder (M.Sc semester IV), participated in an internship programme in Patna on 12th June, 2017 on the eve of "World Day Against Child Labour" at Adhivesion Bhawan, Govt. of Patna, organised by Govt. of Patna.

Rashi Agarwal (M.Sc. semester IV), participated in a meeting held by Leaders for Tomorrow. LFT is a youth leadership movement that organizes various events like Anti-drugs and anti-ragging campaign, cleanliness drive, plantation drive etc. It also organizes a project called 'Igniting Young Minds' in which volunteers teach children belonging to low economic backgrounds for a period of two months.

Suramya Dasgupta, a B.Sc. semester VI student, held the position of President, Hansraj Dramatics Society during which, the Society put up three annual productions including two stage productions, 'Introspection' and 'L for Clowns', and a street play production, 'Main Insaan'. 'Introspection' was an absurdist

psychological thriller based on the consequences of religious extremism and was performed in several prestigious venues and won several accolades. Suramya also wrote and directed a street play titled 'Masiknama', a play emphasizing the importance of menstrual health and hygiene and tackling the status of women in the slums of Delhi. The play was performed in the heart of the Todapur slum in Delhi in collaboration with the NGO 'Swavalamban'. Suramya also co-directed a street play at Hansraj Dramatics Society on the theme of tackling drug trafficking and abuse issues in Delhi in collaboration with the Delhi Government and the Department for Women and Child Development. The play was performed in 12 significant areas around Delhi-NCR, areas with high incidence of drug abuse and crimes.

Sagarika Rao (B.Sc. semester VI) participated in Sanitation Awareness in the form of Sulabh Wall Painting at Kirti Nagar (March 2017). She was a member of Team Kalakriti - The Fine Arts Society of Hansraj College. Sagarika Rao along with Himani Rathore, Artika Singh, Sagarika Rao and Suramya Pushan Dasgupta participated in a fieldwork under Project Swavalamban, which aimed at creating Menstrual Hygiene and Awareness amongst the women of Todapur slum, Delhi. (August 2017). Artika Singh, Sagarika Rao and Himani Rathore worked as the Core Team of Swavalamban and took about 250 women for Pinkathon, a marathon organised to create breast cancer awareness (September 17, 2017). Sagarika Rao painted the walls as part of a village beautification program at Sanjay Camp, Chanakyapuri, Delhi on March 28, 2018.

Anmol Chowdhury (M.Sc Semester IV) has been volunteering with The YP Foundation since March 2017. During this period, Anmol has worked in the capacity of a peer-educator and youth advocate with the Know Your Body Know Your Rights (KYBK YR) Programme. KYBK YR works to enhance the access of young people - especially marginalized young women – to Sexual and Reproductive Health and Rights, by delivering stigma-free and rights-affirming Comprehensive Sexuality Education.

Number of M.Phil/Ph.D degree awarded: M.Phil. – 9; Ph.D. – 17

Faculty Strength: 18

Other significant information

Dr. Alison Khan, Visual Anthropologist/Filmmaker, Senior Lecturer in Film and Digital Media Production, Oxford Brookes University was invited to deliver a Special Lecture on "Visualising fieldwork: Digital Storytelling" held on 29 January, 2018.

BOTANY

Major Activities and Achievement

The Department of Botany conducts teaching and research in a range of core and interdisciplinary areas of plant biology. In 2017-18, major leads were obtained on utilization of nanoparticles as nano-drug formulations with antimicrobial properties and for degradation of azo dyes-contaminated laboratory wastewater using Seabuckthorn, an under-utilized Himalayan bioresource and novel Brassica varieties. Impact of polyploidization was studied on regulatory regions of *Brassica* sp. and a novel rapid method for transient analysis of promoters was developed. Various strains of phosphate solubilizing bacteria from agricultural soils of Delhi were isolated and the phosphate solubilizing efficiency of the isolates was estimated. Green synthesis of nanoparticles using herbal extracts, their characterization and efficacy against different cancer cell lines and mosquito vectors were conducted. Assessment of populations of *Rhododendron arboreum* in the Himalayan region at different altitudes and effect of anthropogenic activities was done. Association mapping for important agronomic traits in safflower, an important drought resistant oilseed crop with nutritious and healthy edible oil was done. Isolation and validation of gender specific markers in seabuckthorn, genetic diversity studies in various plants of economic importance (including endangered herbs) and development of mapping populations and polymorphic markers for apomixis was also accomplished.

Honours/Distinctions

Prof. R. Deswal was appointed as Member, Executive Committee, International *Seabuckthorn* Association

Prof. R. Deswal was appointed as Board of Studies Member - Biotechnology (2017-present), Central University, Haryana

Prof. S. Goel was appointed as Elective Council member of ADNAT (Association for Promotion of DNA Fingerprinting and Other DNA Technologies), CCMB, Hyderabad

Prof. S. Goel was appointed as Member, Board of Studies, Jamia Millia Islamia

Prof. S. Goel was appointed as Member, Board of Studies, National Institute of Plant Genome Research, New Delhi

Prof. S. Goel was appointed as Member, National Tea Research Foundation (NTRF), Tea Board, Kolkata
Prof. V. Agrawal was elected Fellow of Linnean Society of London

Prof. V. Agrawal was awarded the Lifetime Achievement Award in Science by Venus International Foundation

Prof. V. Agrawal was appointed as Member, DRC, M.D. University, Rohtak, & GKU, Haridwar

Prof. V. Bhat was appointed as Member, Institute Management Committee of IGFR, Jhansi, UP

Publications

Agnihotri, P. A., Jha, M. P., Dwivedi, K. K. and Bhat, V. (2018). Isolation of Nucellin gene promoter from *H. vulgare* and its characterization in *A. thaliana*. *The International J. Plant Reprod. Biology*, 10 (2), 151-156.

Ambreen, H., Kumar, S., Kumar, A., Agarwal, M., Jagannath, A. and Goel, S. (2018). Association mapping for important agronomic traits in safflower (*Carthamus tinctorius* L.) core collection using microsatellite markers. *Frontiers in Plant Sciences*, 9(1): Doi.org/10.3389/fpls.2018.00402.

Arora, D. and Bhatla, S.C. (2017). Melatonin and nitric oxide regulate sunflower seedling growth under salt stress accompanying differential expression of Cu/Zn SOD and Mn SOD. *Free Radic Biol Med.*, Doi: 10.1016/j.freeradbiomed.2017.02.042

Barman, C., Singh, V., Das, S. and Tandon, R. (2018). Floral contrivances and specialized pollination mechanism confer strong influence to elicit mixed-mating in *Wrightia tomentosa* (Apocynaceae). *Plant Biology*, 20, 546–554. Doi:10.1111/plb.12690.

Barman, C., Singh, V.K., Tandon, R. (2018). Reproductive biology of *Salvadora oleoides* (Salvadoraceae) Decne. *The International Journal of Plant Reproductive Biology*, 10, 69-76.

Barman, P., Bhat, K.V. and Geeta, R. (2018). Phylogenetic analysis of Indian *Dioscorea* and comparison of secondary metabolite content with sampling across the tree. *Genetic Resources and Crop Evolution*, 65(3), 1003-1012.

Barman, P., Choudhary, A. K. and Geeta, R. (2017). A modified protocol yields high-quality RNA from highly mucilaginous *Dioscorea* tubers. *3 Biotech* 7(2), 150.

Berry, E., Sharma, S.K., Pandit, M. K. and Geeta, R. (2018). Evolutionary correlation between floral monosymmetry and corolla pigmentation patterns in *Rhododendron*. *Plant Systematics and Evolution*, 304(2), 219-230.

Bhandari, P., Mangain, A. and Uniyal, P.L. (2017). An ethnobotanical study and applications of medicinal plants by the local people of Basukedar Himalaya of Rudrapur, Uttarakhand, India. *The Journal of Ethnobiology and Traditional Medicine*, 128, 1305-1319.

Bhatia, M., Priti, Uniyal, P.L. and Madhusoodanan, P.V. (2017). Studies on the gametophyte development and reproductive behavior of *Acrostichum aureum* L. *International Journal of Plant Reproductive Biology*, 9(2), 89-92.

Bidalia, A., Hanif, M. & Rao, K.S. 2017. Tolerance of *Mitragyna parvifolia* (Roxb.) Korth. Seedlings to NaCl salinity. *Photosynthetica*, 55, 231-239.

Chaudhary, A., Yadav, S.R., & Tandon, R. (2018). Delayed selfing ensures reproductive assurance in *Utricularia praeterita* and *Utricularia babui* in Western Ghats. *Journal of Plant Research*, 13, 599–610.

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Book Chapters

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Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Prof. R. Deswal, Editor, *Frontiers in Plant Physiology*

Prof. R. Deswal Editor, *Journal of Proteins and Proteomics*

Research Projects

UGC, *A Search For Molecular, Biochemical & Morphological (Phenotypic) Markers for Different Growth Stages of D. alata Tuber and their Relation with the Redox Status*, 2015 – 2018, Rs. 9.35 lakhs.

DBT-IBSD, *Characterizing un-explored Seabuckthorn germplasm in Sikkim for antifreeze proteins, secondary metabolites, its comparison with germplasm of Lahaul and Spiti valley, Himachal Pradesh and also utilizing the bioresources for uplifting the livelihood of local people*, 2017 – 2019, Rs. 50 lakhs

SERB, *Diversity and performance of key forest tree species and bryophytes in gap and non-gap areas along an altitudinal gradient in Uttarakhand*, 2018-2021, Rs. 41.43 lakhs.

SERB, *At NDL Proteins: Molecular Mechanism of Action in Regulation of Plant Growth and Development*, 2017-2020, Rs. 40.89 lakhs.

DBT, *Root Development related Signaling Networks: Role of At N-myc Downregulated Like Proteins and Interacting Partners*, 2018-2021, Rs. 49.87 lakhs.

SERB, *Quantifying the total ecosystem level carbon sequestration potential of different forest ecosystems along an elevational gradient in Uttarakhand, Western Himalaya in different climate scenarios*, 2017-2021, Rs. 41.48 lakhs.

SERB, *Bioassay guided Isolation, Identification and Elicitation of Anticancerous bioactive compounds from Nardostachys jatamansi, Psoralea corylifolia and Plumbago zeylenica*, 2017-2020, Rs. 33.185 lakhs.

DBT, *Identification of trans-factors interacting partners of promoters of a miRNA-transcription factor module from Brassica juncea*, 2017-2020, Rs. 54.813 Lakhs.

Conferences Organised

The Department of Botany organised the 3rd Plant Proteomics Workshop on “Mining Proteome and Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond” on December 19 - 23, 2017.

Seminars/Conference Presentations

Agrawal, V., Invited Lecture, “*Medicinal Herbs: Booster of Human Health and Clean Environment*” Environmental Day celebration, Gandhi Bhawan, University of Delhi. 5 June, 2017.

Agrawal, V., Invited Lecture on “*Generation and validation of molecular markers for identification of sex and genetic diversity analysis in Jojoba (Simmondsia chinensis (Link) Schneider): a potential oil yielding dioecious crop*” held at Department of Botany, Maharshi Dayanand University, Rohtak, Haryana, India; 20 June 2017.

Agrawal, V., Invited Lecture, “*Frontiers in Biotechnology: GM Crops and Biopharmaceuticals*”, at Kirori Mal College, Univ. of Delhi, Inaugural function of Botanical Society, 15 February, 2018.

Agrawal, V., Invited Lecture, “*In vitro elucidation of anti-tumorous activity, isolation and elicitation of bioactive compounds from Cullen corylifolium (syn. Psoralea corylifolia): an important medicinal herb*”. Proceedings National Symposium on Plant Biotechnology and 39th Annual Meeting of Plant Tissue Culture Association (India), AFRI, Jodhpur; 16-18 February, 2018.

Agrawal, V., Invited Lecture as resource person on “*Bioassay guided isolation, characterization and elicitation of antimalarial and anticancerous bioactive molecules from medicinal plants*”, workshop on Quality Improvement Program, Delhi Institute of Pharmaceuticals Sciences and Research, New Delhi; 13 March 2018.

Bhandari, P.K., Bhatia, M., and Uniyal, P.L., Poster presentation on “*Status of orchids in Uttarakhand*”, XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics, Priorities and Challenges, University of Delhi; 10-12 Nov 2017.

Bhatia, V., Sharma, P. and Uniyal, P. L., Poster presentation on “*Assessment and Conservation of Indian Ephedra species through DNA Barcoding: A review*”, XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics, Priorities and Challenges, University of Delhi; 10-12 Nov 2017.

Chaurasia, S.P., and Deswal R., Poster presentation on “*Identification of major Redox Modulated Proteins from Brassica juncea seedlings, and demonstration of differential sensitivity of RuBisCO large and small subunit towards oxidative stress*” at National Conference on Protein Structure and Dynamics in Health and Agriculture, Jamia Hamdard University Delhi, India; 3-4 November, 2017.

Das, S., Oral Presentation, “*Comparative analysis of organisation, evolutionary history and function of regulatory elements: insights gained from Brassicaceae*”. National Symposium on Plant Biotechnology 2018: Recent Trends in Plant Propagation, Genetic Improvement & Industrial Applications; and 39th annual meeting of PTCA, AFRI, Jodhpur; 16 - 18 February 2018.

Das, S., Invited Lecture as Resource Person on “*Sequence analysis: annotation and alignment strategies: an overview*”. Training program and workshop on “*Recent trends in Bioinformatics*”, DDU College, Delhi University; 31 January, 2018.

Deswal R., Inaugural Lecture “*Nitrosylation mediated nitric oxide (NO) signaling in cold stress on Brassica juncea seedlings*”, Hansraj College, University of Delhi, Delhi; 8 September, 2017.

Deswal R., Invited Lecture on “*Antifreeze Protein (AFP) as a novel downstream target in ICE-CBF signalling pathway in Hippophae rhamnoides*” at National Conference on Seabuckthorn for Improving Health and Sustainable Development of Himalayan Region, DIHAR, Leh-Ladakh, India; 22-23 September, 2017.

Goel, S., Invited Lecture, “*Research Methodology and Pedagogy in Universities*” Faculty Development Programme, Amity University Madhya Pradesh, Gwalior; 6–12 June 2018.

Goel, S., Tandon, R., Mangla, Y., Das, K. and Raina, S.N., Plenary Lecture on “*DNA based gender markers for sustainable utilization of Seabuckthorn (Hippophae rhamnoides L. ssp turkestanica), a promising future crop*”, National Conference on Emerging Environmental Challenges and Sustainable Development organised by Society for Environment and Development; 21-23 March 2018.

Sharma, S., and Deswal R., Poster presentation on “*Change in the redox status triggers tuber germination and showed the involvement of Asada-Halliwell pathway in germination.*” 9th Annual Meeting of Proteomics Society, India (PSI) & International Conference on Proteomics in Health and Disease, Institute of Life Sciences, Bhubaneshwar; 30 Nov – 2 Dec, 2017. Awarded Best Poster Award & Travel Grant.

Sharma, B., and Deswal R., Poster presentation on “*Exploring the Nanobiotechnological Potential of a Himalayan Shrub, Hippophae rhamnoides for Azo Dyes Decontamination*” at National Conference on

Seabuckthorn for Improving Health and Sustainable Development of Himalayan Region, DIHAR, Leh-Ladakh, India; September 22-23, 2017. Awarded Best Poster Award.

Sharma, B., Singh, A., and Deswal R., Poster presentation on “*Exploring the Nanobiotechnological Potential of Novel North Indian varieties of Brassicaceae for their Antimicrobial Potential*”. Conference on “Emerging Discoveries in Health and Agricultural Sciences”, JNU, New Delhi; 16 -19 November 2017. Awarded Best Poster Award.

Sharma, P. and Uniyal, P.L., Invited Lecture on “*Potential effect of disturbances on the survival of medicinal plants and formulation of conservation and reintroduction strategies*”; National Seminar on Ethnobotany and Traditional knowledge in Biodiversity Conservation, Baba Gulam Shah Badshah University, Rajouri (J & K); 8-9 March 2018.

Kapoor, R., Invited Lecture on “*Arbuscular mycorrhiza (AM) in augmenting the yield of medicinal plants*” in the 13th session of Jammu and Kashmir Science Congress, “Emerging Technologies and Human Society: Applications and Constraints”, University of Kashmir, Srinagar 2-4 April 2018.

Kapoor, R., Invited Lecture on “*Arbuscular mycorrhiza (AM) and sustainable agriculture of medicinal plants*” in national conference on “Emerging Environmental Challenges and Sustainable Development” jointly organised by Swami Shraddhanand College, Department of Botany, University of Delhi, Delhi and Society for Environment and Development, (SED India), New Delhi; 21-23 March 2018.

Mudgil, Y., Invited Lecture, “*Current insights in regulation of meristem organization*” at Department of Botany, Savitribai Phule Pune University; 27 April 2018.

Singh, S., Geeta, R., and Das, S., Resource Persons: Oral Presentation on “*Plant cuticle: evolution, structure, and function of cuticular waxes.*” 3rd Plant Proteomics Workshop: Mining Proteome & Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond. Department of Botany, University of Delhi; 21 December, 2017.

Tandon, R., Invited Speaker, *Pollination strategies in some selected tree species*, Department of Botany, Hansraj College Summer School Programme under DBT Star College Scheme; 29 May, 2017.

Tandon, R., Resource Person, *Learning from ecosystem services*, Summer School-Biological Sciences for undergraduates, Hans Raj Mahila Maha Vidyalaya, Jalandhar; 5 July, 2017.

Tandon, R., Invited Speaker, *Wonders of pollination at work*, DBT Star College Scheme, Acharya Narendra Dev College, University of Delhi, Delhi; 26 September, 2017.

Tandon, R., Plenary Lecture, *Dynamics of plant-pollinator interaction*, National Seminar on Trends in Contemporary Research in Plant Sciences, Department of Botany, Vidyasagar University; 30 March, 2018.

National/International MoUs signed

National - Institute of Bio-resources & Sustainable development (IBSD), Imphal, Manipur on characterization of unexplored *Seabuckthorn* germplasm.

International – Material Transfer Agreement and collaborative work on Myrosinases in *Brassica juncea* with Swedish University of Agricultural Sciences, Sweden.

International – Bilateral Collaboration Agreement with Samarkand State University, Uzbekistan on Medicinal Plant Biotechnology (Plant Sciences).

Placement Details (Number and percentage of students placed):

Dr. Prakriti Kashyap: Awarded National Post-Doctoral Fellowship (N-PDF) by SERB at CSIR - Institute of Himalayan Bioresource Technology, Palampur.

Dr. Kuldeep Sharma: Appointed as Assistant Professor (Permanent) at Mohanlal Sukhadia University, Udaipur, Rajasthan.

Dr. Himanshi Kapoor: Awarded National Post-Doctoral Fellowship (N- PDF) by SERB at Institute of Genomics and Integrative Biology, Mall Road, Delhi.

Dr. Rajeshwari Nanda: Appointed as Assistant Professor (Ad-hoc) in Miranda House College, Delhi University.

Number of M.Phil./Ph.D. Degrees Awarded : Ph.D. – 21; M.Phil. – 3

Faculty Strength: 23

CHEMISTRY

Major Activities and Achievements

The Department of Chemistry is one of the premier Departments in the country and is involved in a diverse spectrum of research areas including experimental, theoretical and computational studies on bio-organic chemistry, chemical biology, coordination chemistry, electrochemistry, green chemistry, material chemistry, medicinal chemistry, natural products, nano-chemistry, polymers, synthetic chemistry, etc. Faculty members published more than 230 research papers in peer reviewed journals of high impact and awarded 53 Ph.D. degrees in the last one-year. The Department arranged several memorial and oration award lectures, and colloquia by eminent speakers, which imparted advanced knowledge of contemporary research topics to Ph.D. and postgraduate students. Apart from collaborating with international experts, our faculty members are invited to share their novel research findings through keynote, plenary and invited lectures in National and International Conferences and Institutions. The extramural research projects that are secured by our Faculty facilitate in developing and upgrading state-of-the-art laboratory facilities and in training young scholars. Many faculty members have been conferred with prestigious medals and honors. One faculty member is a Fellow of Indian Academy of Science.

Honours/Distinctions

Prof. R. Chandra was awarded 105th Indian Science Congress Millennium Plaques of Honor award, 2017-18.

Prof. Rama Kant was elected Member of CRSI Council (2017-2020).

Prof. Rama Kant awarded Acharya J. C. Ghosh Memorial Medal of Indian Chemical Society (2016-2017).

Publications

Agarwal, D., Gupta, R. D., & Awasthi, S. K. (2017). Are antimalarial hybrid molecules a close reality or a distant dream? *Antimicrobial Agents Chemother*, 61, e00249.

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Aggarwal, P., Sharma, S., Kaur, H., Singh, S. & Hazra, R. K. (2017). Exact spectra of strong coulomb correlations of 3-D 2-e harmonic dots in magnetic field. *Physica E: Low- dimensional Systems and Nano-structures*, 85, 56-64.

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Arora, G., Yadav, M., Gaur, R., Gupta, R., & Sharma, R. K. (2017). A Novel and Template-Free Synthesis of Multifunctional Double-Shelled Fe₃O₄-C Nanoreactor as an Ideal Support for Confined Catalytic Reactions. *Chemistry Select*, 2, 10871-10879.

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- Arya, G., Sharma, N., Ahmed, J., Gupta, N., Kumar, A., Chandra, R. & Nimesh, S. (2017). Degradation of anthropogenic pollutant and organic dyes by biosynthesized silver nano-catalyst from *Cicer arietinum* leaves. *Journal of Photochemistry and Photobiology B: Biology*, 174, 90-96.
- Badhani, B. & Kakkar, R. (2017). DFT study of structural and electronic properties of gallic acid and its anions in gas phase and in aqueous solution. *Structural Chemistry*, 28(6), 1789-1802.
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Book

Kaur-Ghumaan, S., Sakthivel, A., Sathiyendiran, M. & Masram, D. T. (2017). *Electronic & Magnetic Properties of Transition & Inner Transition Elements & Their Complexes*. New York, NY: Nova Science Publishers.

Book Chapters

Kashyap, K. & Kakkar, R. (2017). Herpes Virus Proteases & Their Inhibitors. In S. P. Gupta (Ed.), *Viral Proteases & Their Inhibitors* (pp. 411-440). London Wall, United Kingdom: Academic Press.

Kakkar, R. (2017). In Silico Design of PDHK Inhibitors: From Small Molecules to Large Fluorinated Compounds. In T. Chakraborty, P. Ranjan, A. Pandey (Eds.), *Computational Chemistry Methodology in Structural Biology and Materials Sciences*. New York, YC: Apple Academic Press (CRC Press) Taylor & Francis.

Kakkar, R., & Bhandari, M. (2017). Pyruvate Dehydrogenase Kinases (PDHKs) and their Inhibition: A Possible Line of Treatment for Diabetes, Heart Ischemia and Cancer. In Gupta, S. P. (Ed.) *Advances in Studies on Enzyme Inhibition, Miscellaneous Drugs*, v. 2, (pp. 91-112). New York: Nova Science Publishers.

Kaur, G., Grewal, J., Jyoti, K., Jain, U. K., Chandra, R., & Madan, J. (2017). Oral controlled and sustained drug delivery systems: Concepts, advances, preclinical, and clinical status. *Drug Targeting and Stimuli Sensitive Drug Delivery Systems* (pp. 567-626). <https://doi.org/10.1016/B978-0-12-813689-8.00015-X>

Khanna, M., Agrawal, N., Dhawan, G. & Chandra, R. (2017). *Influenza pandemics and the associated bacterial infections*. Austin Publishing Group. <http://austinpublishinggroup.com/ebooks>.

Kumar, P., Kaur, S., Gupta, R., & James, K. B. (2018). *Pincers Based on Dicarboxamide and Dithiocarboxamide Functional Groups. Pincer compounds chemistry and application*, (pp. 295-325). [Doi.org/10.1016/B978-0-12-812931-9.00014-1](https://doi.org/10.1016/B978-0-12-812931-9.00014-1).

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Masram, D. T., Kumar, M. & Mogha, N. (2017). Case Studies in Biosorption. In A. K. Rathoure (Ed.), *Bioremediation: Current Research and Applications*, (pp. 201-225). New Delhi, Delhi: IK International Publisher.

Sakharkar, M. K., Rajamanickam, K., Babu, C. S., Madan, J., Chandra, R., & Yang, J. (2018). Preclinical: Drug Target Identification and Validation in Human. In *Reference Module in Life Sciences*. [Doi: 10.1016/B978-0-12-811414-8.20665-2](https://doi.org/10.1016/B978-0-12-811414-8.20665-2).

Sengar, V., Jyoti, K., Jain, U. K., Katare, O. P., Chandra, R., & Madan, J. (2017). Lipid nanoparticles for topical and transdermal delivery of pharmaceuticals and cosmeceuticals: A glorious victory. In A. M. Grumezescu (Ed.), *Lipid Nanocarriers for Drug Targeting* (pp. 413-437). New York, NY: Elsevier, William Andrew Applied Science Publishers,

Sharma, S., Dutta, S. & Sharma, R. K. (2017). Recyclability of Reagents. In R. K. Sharma & R. Bandichhor (Eds.), *Hazardous Reagent Substitution* (pp. 18-52). <http://dx.doi.org/10.1039/9781782623847-00018>.

Singh, P., Kumari, K., Vishvakarma, V. K., Mehrotra, G. K., Chandra, R., Kumar, D., Patel, R. & Shahare, V. Y. (2017). Metals Nps (Au, Ag and Cu): Synthesis, stabilization and their role in green chemistry and drug delivery In R. Singh & S. Kumar (Eds.), *Green Technologies and Environmental Sustainability* (pp. 309-337). Springer, Cham.

Tomar, V., Mazumder, M., Chandra, R., Yang, J., & Sakharkar, M. K. (2018). Small Molecule Drug Design. *Encyclopedia of Bioinformatics and Computational Biology*. [Doi: 10.1016/B978-0-12-811414-8.20157-0](https://doi.org/10.1016/B978-0-12-811414-8.20157-0).

Yadav, M., Dutta, S. & Sharma, R. K. (2017). New Directions from Academia. In R. K. Sharma & R. Bandichhor (Eds.), *Hazardous Reagent Substitution*, (pp. 130-167). <http://dx.doi.org/10.1039/9781782623847-00130>.

Research Projects

Prof. Ramesh Chandra: DST-SERB, 2016-2019, Synthesis and Characterization of Eco-friendly Gold supported LDH catalyst, application in Synthesis of Organic Compounds. Rs. 49, 61,440/-

Prof. Ramesh Chandra: DST-SERB, 2016-2019, Design, synthesis and biological screening of chiral pyrazinoindoles and pyrazinopyrroles as potential antibacterial agent. Rs. 43,26,000/-

Prof. Ramesh Chandra: CSIR, 2016-2019, Synthesis and Biological Evaluation of a Novel Class of Anti-tumor drugs based upon the natural alkaloid noscapine. Rs. 29,76,540/-

Prof. R. K. Sharma: DST-WTI, 2017-2020, Designing and synthesis of highly stable functionalized silica based organic-inorganic hybrid materials/nanomaterials for the online and selective recovery of various metals from different charged wastewater. Rs. 47,27,000/-

Prof. A. K. Prasad: DRDO, 2018-2020, Sanction of CARS, Synthesis of flame-retardant breathable moisture-cure Polyurethane (PU) based adhesive" to Dept. of Chemistry, University of Delhi under CFEES S&T project "Development of Multifunctional Moisture Barrier Fabric for Fire Protective Suits. Rs. 44,37,600/-

Prof. A. K. Prasad: DRDO- DIPAS, 2018-2019, Synthesis and study of aggregation behaviour of sugar-PEG based amphiphilic co-polymers for the encapsulation of dihydropyridine derivatives. Rs. 9,60,000/-

Prof. Rama Kant: DST-SERB, 2017-2020, Electrochemical Impedance at Rough and Porous Electrodes: Theory and Experimental Corroboration. Rs. 38,50,440/-

Prof. Rama Kant: Applied Materials India Pvt Ltd, 2015-2018, Modeling of Solid State Batteries. Rs. 12,48,000/-

Prof. S. K. Sharma: DST-DFG International Collaboration, 2017-2020, Chemo-enzymatic synthesis of multivalent dendritic architectures for the control of neurodegenerative disorders. Rs. 38,60,980/-

Prof. S. K. Sharma: DST-SERB, 2016-2018, Design and Synthesis of Oligoglycerol and PEG based Nanocarriers for Biomedical Applications. Rs. 47,26,000/-

Prof. R. Gupta: DST-SERB, 2016-2019, Molecular Assemblies and Coordination Polymers Decorated with Hydrogen Bonds: Recognition, Binding, and Activation of Analytes/Substrates. Rs. 49,35,040/-

Prof. R. Gupta: CSIR, 2016-2019, Metal Complexes with Secondary Coordination Sphere: Recognition and Binding of Analytes and Activation of Substrates. Rs. 6,00,000/-

Prof. Parbati Biswas: DST-SERB, 2017-2020, Hydration Pattern of Misfolded proteins. Rs. 43,39,940/-

Prof. R. Nagarajan: DST-SERB, 2017-2020, Exploring multifunctional properties of the solid solutions of rare-earth oxides with oxides of p-block metal ions possessing related structures. Rs. 33,68,695/-

Prof. S. Uma: DST-SERB, 2017-2020, Exploratory Synthetic Investigation to Recognize Novel Solid Oxide Materials with an Emphasis on Layered Structures. Rs. 34,28,480/-

Dr. Indrajit Roy: Nanomission, 2017-2020, Drug-loaded magnetic-nanoscale metal-organic frameworks (MNMOFs) for applications in targeted drug delivery and light-activated therapy. Rs. 54,30,316/-

Dr. Indrajit Roy: UGC-UKIERI, 2017-2020, Multifunctional Nanoparticles in Cancer Therapy. Rs. 34,11,828/-

Dr. P. Venkatesu: CSIR, 2017-2020, The attenuating ability of ionic liquids against the thermal, chemical and cold-induced unfolding of proteins. Rs. 18,00,000/-

Dr. P. Venkatesu: DST-SERB, 2017-2020, The phase transition of thermo-responsive polymer in the presence of proteins as stimuli. Rs. 40,00,000/-

Dr. Raj Kishore Sharma: DST-SERB, 2018-2020, Physicochemical performance evolution by tuning the growth variables of holey graphene nanoribbon carbon soot derived aerogel based asymmetric supercapacitor. Rs. 39,00,000/-

Dr. Surendra Singh: DST-SERB, 2017-2020, Development of efficient and reusable chiral catalysts for the asymmetric Fridel-Craft reaction for the synthesis of biologically important molecules. Rs. 35,93,480/-

Dr. Surendra Singh: CSIR, 2018-2021, Synthesis and Development of Chiral Metal Organic Frameworks and Their Application in Asymmetric Catalysis. Rs. 28,06,000/-

Dr. Sasanka Deka: DST-SERB, 2017-2020, Development of advanced nanomaterials for benchmark electrocatalytic hydrogen and oxygen evolution from water. Rs. 35,00,000/-

Dr. Sandeep Kaur: CSIR, 2018-2021, Design, Synthesis and Characterization of Earth-Abundant Metal Complexes (Co, Fe, Ni) as Electrocatalysts for Proton Reduction. Rs. 15,75,000/-

Dr. Firasat Hussain: DST-SERB, 2017-2018, Synthesis, characterization and catalytic applications of organic-inorganic hybrid 3d-4f heterometallic polyoxotungstates. Rs. 35,00,000/-.

Patents Filed/Granted

Diwan S. Rawat*, Binghe Wang, Nitin Kumar, Sunny Manohar, Xiaochuan Yang, Guojing Sun; US Patent No.: 9884825B2 (2017); Curcumin analogues and methods of making and using thereof.

Diwan S. Rawat*, Sunny Manohar, Umma disetty Chinna Rajesh, Deepak Kumar, Anuj Thakur, Mohit Tripathi, Panyala Linga Reddy, Shamseer Kulangara Kandi, SatyapavanVardhineni, Kwang-Soo, and Chun-Hyung Kim; Pub No.: US 2017/0209441 A1 (2017); Amino-quinoline based hybrids and uses thereof.

Diwan S Rawat*, Sunny Manohar, U. Chinna Rajesh; Indian Patent No.: IN 283657 (2017), Amino-quinoline based hybrids and uses thereof.

Seminars/Memorial Lectures Organised

Prof. B. S. Garg Felicitation Seminar, Prof. A. K. Bakshi; September 2, 2017.

Prof. Amarnath Maitra Memorial Seminar, Prof. Arabinda Chaudhuri; February 10, 2018.

Prof. C. N. R. Rao Oration Award, Speaker: Prof. Clement Sanchez, College de France Lecture, January 31, 2018.

Prof. Har Gobind Khorana Memorial Lecture by Prof. Goverdhan Mehta, FRS, FNA, National Research Professor, University of Hyderabad. January 12, 2018.

Prof. R. P. Mitra Memorial Lecture by Prof. E. D. Jemmis, Department of I & PC, Indian Institute of Science, Bengaluru. January 12, 2018.

Prof. G. V. B. Subramanian Memorial Lecture by Prof. K. N. Ganesh, Director IISER Tirupati. January 12, 2018.

Prof. G. S. Saharia Memorial Lecture by Prof. K. R. Prasad, Department of Organic Chemistry, Indian Institute of Science, Bengaluru. January 12, 2018.

Prof. Gurbaksh Sing Memorial Lecture by Prof. Javed Iqbal, Cosmic Discoveries, Hyderabad. January 13, 2018.

Prof. I. P. Mittal Memorial Lecture by Prof. Oliver Reiser, Regensburg, Germany. January 13, 2018.

Prof. B. D. Laroia Memorial Lecture by Prof. Norio Shibata, Nagoya Institute of Technology, Japan. January 13, 2018.

Prof. T. R. Seshadri Memorial Lecture by Prof. V. K. Singh, Director, IISER, Bhopal. January 14, 2018

Prof. A. M. Bains Memorial lecture by Prof. Kevin Shaughnessy, Chair Department of Chemistry, University of Alabama, USA. January 14, 2018

Conferences Organised

The Department of Chemistry organised an International Conference on "Emerging Trends in Drugs Development And Natural Products" (ETDDNP-2018), University of Delhi, Delhi, January 12 - 14, 2018.

Seminar/Conference Presentations

Medal/Plenary/Keynote/Memorial Lectures

Deka, S., Dr. C.K. Khurana Memorial lecture, Gargi College, 6 September, 2017.

Deka, S., Plenary lecture, *Metal alloy and chalcogenide nanoparticles for few useful catalytic applications*, International Conference on Nano- and Functional Materials: Interface between Science and Engineering (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan, 16-18 November, 2017.

Kant, R., Keynote lecture, *Anomalies in Electric Double Layer Response on Rough and Porous Electrodes*, Second International Conference on Electrochemical Science and Technology, Indian Institute of Science, Bengaluru, 10-12 August, 2017.

Kant, R., Acharya J. C. Ghosh Memorial Medal Lecture, *Electrochemical Impedance Spectroscopy of Rough and Porous Electrodes*, 54th Annual Convention of Chemists (ICS-2017), Department of Chemistry, Uka Tarsadia University, Bardoli, Surat, Gujarat, 23-25 December, 2017.

Sharma, R.K., Plenary Lecture, *Emerging Dimensions and Challenges Ahead*, 6th National Conference on Chemical & Environmental Sciences, (NCCES-2017), Arya P. G. College, Panipat, 1 April, 2017.

Invited Lectures

Biswas, P., *Understanding Intrinsic Disorder in Proteins*, International Conference on Intrinsically Disorder Proteins: Forms, Functions and Diseases 2017, IISER-Mohali, Mohali, 9-12 December, 2017.

Biswas, P., *Exploring Intrinsic Disorder in Proteins*, National Symposium on contributions of Women in Science in India, Indian Science News Association (ISNA), Kolkata, 15-16 February, 2018.

Deka, S., *AgI-xNix alloy nanoparticles and CuCo₂S₄ nanosheets and their useful catalytic applications*, International Conference on Nanobiotechnology, Jamia Millia Islamia, New Delhi, 5-6 February, 2018.

Deka, S., *Development of transition metal based alloy and chalcogenide nanoparticles and their emerging applications*, School of Physical Sciences, Jawaharlal Nehru University, New Delhi, 16-17 March 2018.

Prasad, A.K., *Sugars to Value Added Products of Importance*, International Conference on Recent Trends in Science & Technology, SSSKR Innani Mahavidyalaya Washim, Maharashtra, 22-23 March, 2018.

Gopalaiah, K., *Sustainable Metal-Catalyzed Aerobic Oxidative Transformations for Synthesis of Nitrogen-Heterocycles*, 10th National Conference on Solid State Chemistry and Allied Areas at Delhi Technological University, Delhi, 1-3 July, 2017.

Gopalaiah, K., *Bond Formations between Two Nucleophiles: Sustainable Metal-Catalyzed Oxidative Reactions*, 36th Annual Conference of Indian Council of Chemists at School of Chemistry, Andhra University, Visakhapatnam, 26-28th December, 2017.

Gupta, R., *Designer Materials: A Chemist's View*, 10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS – 2017)', Delhi Technological University, 1 – 3 July, 2017.

Gupta, R., *Coordination Chemistry: History and Journey to Future*, Science Academies Lecture Workshop, Department of Chemistry, University of Kashmir, Srinagar, 19 – 20 July, 2017.

Gupta, R., *Supramolecular Chemistry: Intriguing Examples*, Science Academies Lecture Workshop, Department of Chemistry, University of Kashmir, Srinagar, 19 – 20 July, 2017.

Gupta, R., *Designer Functional Materials: A Chemist's View*, 21st International Conference of Indian Academy of Physical Sciences (CONIAPS – XXI), Guru Jambheshwar University of Science and Technology, Hisar, Haryana, 28 – 30 October, 2017.

Gupta, R., *Molecularly Designed Architectures: Design Aspects and Applications*, Department of Chemistry, University of Hyderabad, 31 October, 2017.

Gupta, R., *Coordination Polymers and Molecular Assemblies Decorated with Hydrogen Bonds*, Symposium on Modern Trends in Inorganic Chemistry (MTIC-XVII); NCL-Pune & IISER-Pune, India, 11 – 14 December, 2017.

Hazra, R.K., *Exact e-e (exchange) correlations of 2-D quantum dots in magnetic field: Size extensive N=3,4,...,n'-electron systems via multi-pole expansion*, 4th Annual World Congress of Smart Materials-2018, Osaka, Japan, Osaka University, Japan, 6-8 March, 2018.

Kant, R., *Contemporary Electrochemical Energy Systems*, Karunya University, Coimbatore, Tamilnadu, 5 September, 2017.

Kant, R., *Phenomenological Theories for Modelling of Solid State Li-ion Batteries*, 1st World Conference on Solid Electrolytes for Advanced Applications: Garnet & Competitors, Department of Physics, Pondicherry University, India, 6-9 September, 2017.

Kaur-Ghumaan, S., *Bioinspired Model Complexes Mimicking the [FeFe] Hydrogenase Enzyme Active Site: An Alternative Energy Resource*, Thematic Conference in Chemical Sciences (TC2S) – 2017: Sustainable Chemistry, Department of Chemistry, IIT Ropar, May-2017.

Prasad, A.K., *Sugar Modification and Its Novel Application*, 8th National Conference of Haridwar Chapter of The Indian Science Congress Association on Reaching the Unreached through Science & Technology, Nainital, Uttarakhand, 14-15 October 2017.

Prasad, A.K., *Carbohydrate Modification: Route to Novel Nucleosides and Amphiphiles*, CARBO-XXXII "Emerging Chemistry and Biology of Carbohydrates" (ECBC-2017), IIT Kharagpur, 18-20 December 2017.

Prasad, A.K., *Important Applications of Bio-renewable Resources*, National conference on "Current Advances in Microbiology & Biotechnology for Agriculture, Industry, Environment and Healthcare", M.G.S. University, Bikaner, 19-20 January 2018.

Roy, I., *Inorganic-organic hybrid nanomaterials for targeted and controlled drug delivery*, 2nd International Symposium on Physics, Engineering and Technologies for Bio-Medicine, Institute of

Engineering Physics for Biomedicine of the National Research Nuclear University (MEPhI), Moscow, Russia, 10-14 October, 2017.

Roy, I., *Nanomedicine research at Delhi University in collaboration with UK and USA*, 2nd International Workshop on Nanomaterials in Health/Medicine, University of Central Lancashire, Preston, United Kingdom, 16 January, 2018.

Sharma, R.K., *Celebrating Earth Day: A step towards Nurturing Nature*, School of Engineering, G. D. Goenka University (GDGU), Gurgaon and National Environment Science Academy (NESA), 28 April, 2017.

Sharma, R.K., *Making Green Chemistry an essential component of Chemical Education in India*, 21st Annual Green Chemistry & Engineering Conference (GC&E), Reston, Virginia, U. S. A., 13-15 June, 2017.

Sharma, R.K., *Green Chemistry Network Centre accelerating innovations in India through Research and Educational Initiatives in Green Chemistry*, 8th International Conference on Green and Sustainable Chemistry (GSC8 2017), Monash University, Melbourne, Australia, 23-26 July, 2017.

Sharma, R.K., National Symposium on Research Projects: Proposal and Grants, Sarvajanic Education Society, Shree Ram Institute of Computer Education and Applied Science, Surat and M. T. B. College Athwalines, Surat (Gujrat), 15 September, 2017.

Sharma, R.K., Green Chemistry and Environmental Health (GCEH-2017), Department of Chemistry, Marwar Business School, Gorakhpur, 25-26 September, 2017.

Sharma, R.K., *Advancing Green Chemistry: Building a Sustainable Tomorrow*, "12. Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College", 3-4, October 2017.

Sharma, R.K., *Role of Green Chemistry Network Centre in converting waste to wealth through Green Chemistry*, Global Trends in Pure and Applied Chemical Sciences, SRM University, Delhi-NCR Ghaziabad, India, 8-9 December, 2017.

Sharma, R.K., *Sustainable Initiatives in Water Management*, Royal Society of Chemistry, North India Section, Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Department of Chemistry, Manav Rachna University, Faridabad (INDIA), 6 March, 2018.

Sharma, R.K., *Advances in Chemical Science and Allied Fields of Science, Health, Education and Environment*, Career College, Govindpura BHEL, Bhopal, 8-10 March 2018.

Sharma, R.K., *Edge enriched graphene nanoribbons: Strategies to boost the performance in supercapacitive charge storage and delivery*, International Conference on nanomaterials: initiatives and Applications, Jiwaji University, Gwalior, 9-11 March, 2018.

Sharma, R.K., *Fabrication of magnetically retrievable metal nanocatalysts for organic transformations*, 255th ACS National Meeting and Exposition, New Orleans, U.S.A., 18-22 March, 2018.

Sharma, S.K., *Biocatalysts: Modern Tools of Organic Synthesis*, Refresher Course in Chemistry, IIT-ISM Dhanbad, 14 June, 2017.

Sharma, S.K., *Chemo-enzymatic Synthesis of Biocompatible Polymeric and Dendritic Nano-architectures for Biomedical Applications*, Refresher Course in Chemistry, IIT-ISM Dhanbad, 14 June, 2017.

Sharma, S.K., *Kinase Inhibitors: Promising candidates for cancer control*, 8th Conference of Haridwar ISCA Chapter, Nainital, 14-15 October, 2017.

Sharma, S.K., *Carbohydrate Based Architectures for Biomedical Applications*, Symposium on "Emerging Chemistry and Biology of Carbohydrates", CARBO-XXXII, IIT Kharagpur, 18-20 December 2017.

Sharma, S.K., *Fabrication of nanostructures through self-assembly of non-ionic amphiphiles for biomedical applications*, 4th International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January 2018.

Sharma, S.K., *Self-assembly of non-ionic amphiphiles for biomedical applications*, International Conference on Nanomaterials: Initiatives and Applications, Jiwaji University, Gwalior, 9-11 March, 2018.

Sharma, R.K., *Sustainable Pathways to Metals Contamination*, Eastern Analytical Symposium and Exhibition, New Jersey, U.S.A., 13-15th November, 2017.

Thirumal, M., *Microwave dielectrics: Understanding the complexities in Perovskites*, 8th conference of Haridwar Chapter of The Indian Science Congress Association, Nainital, 14-15 October, 2017.

Venkatesu, P., *Ionic liquids as Biocompatible Co-solvents for the Stability of Biomolecules*, 19th international of pure & applied biophysics (19th IUPAB congress) and 11th EBSA congress, Edinburgh, U. K., 16-20 July, 2017.

Venkatesu, P., National Conference on Innovative perspectives of Chemistry in environment, Pharmacy and Technology (CEPT-2017) and National Convention of Chemistry Teachers (NCCT-2017), Department of Chemistry, Pragati Engineering College, Kakinad, Andhra Pradesh, India, 6-8 October, 2017.

Venkatesu, P., 12th National conference on organics, metallorganics and thermodynamics (NCOMT – 2017), Department of Chemistry, Guru Jambheshwar University of Science & Technology, Hisar, India, 17-18 November, 2017.

Venkatesu, P., *Ammonium ionic liquids as biocompatible co-solvents for the structure and stability of biomolecules*, 3rd International conference on global trends in pure and applied chemical sciences, SRM University, Ghaziabad, India, 8-9 December, 2017.

Oral Presentations

Chowdhury, N.R., and Kant, R., *Theory for Intensity Modulated Photocurrent Spectroscopy on Rough and Finite Fractal Dye Sensitized Solar Cell*, Dynamic Day-XII, Ashoka University, Sonapat, Haryana, 25 November, 2017.

Gupta. S., and Milton, M.D, *Novel AIEE active twisted pyridopyrazines: Synthesis, photophysical properties and their applications as probes for Hg²⁺ detection in aqueous media*, International Conference on Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian Institute of Petroleum, Dehradun, India, 15-17 March, 2018.

Kaushik, R. and Hussain, F., *Synthesis and Characterization of Inorganic-Organic Hybrids of Transition Metal Substituted Arsenotungstates*, 24th ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Kumar, M., Srivastav, S., and Kant, R., *Theory for EIS of Quasi reversible Charge Transfer in Presence of Uncompensated Solution Resistance*, Second International Conference on Electrochemical Science and Technology, Indian Institute of Science, Bengaluru, 10-12 August, 2017.

Sachdeva, T., and Milton, M.D., *Novel Phenothiazine-Based Non-Planar D- π -A Hydrazones: Aggregation induced emission, Mechanofluorochromic and Acidochromic Behavior*, International Conference on Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian Institute of Petroleum, Dehradun, India, 15-17 March, 2018.

Sharma, S., and Biswas, P., *Hydration water dynamics around a protein surface: a first passage time approach*, Dynamics Day XII, Ashoka University, Sonipat, Haryana, 25 November, 2017.

Singh, A., and Kukreti, S., *Recognition and destabilization of Parallel G - quadruplex present in Promoter location of Human MYH7gene*, Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018), Department of Chemistry, University of Delhi, Delhi, 12-14 January, 2018.

Poster Presentations

Atri, S., Rawat, P., Uma, S., Nagarajan, R., *Mechanochemical transformation of ZnO to defect loaded ZnO*, Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Chowdhury, N.R., and Kant, R., *Intensity Modulated Photocurrent Spectroscopy at Illuminated Rough Semiconductor Electrodes*, ACS on Campus India Roadshow, University of Delhi, 5 February, 2018.

Chugh, H., Tomar, V., Kumar, P., Joshi, H., Chandra, R., *Exploration of the Interaction between the Anti-cancer Drug Noscapine-Hcl and Human Serum*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Das, V., and Hussain, F., *Synthesis and characterization of heterometallic 3d-4f Polyoxometalates containing Silicotungstates*, 24th ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Das, V., Khan I., and Hussain, F., *Self-assembled heterometallic {Co₇-Ho₁} nanocluster: A 3d-4f trimeric Keggin-type silicotungstate [HoCo₇Si₃W₂₉O₁₀₈(OH)₅(H₂O)₄]₁₈– and its catalytic applications*, National Conference on “Chemical Sciences: Opportunities & Challenges, Department of Chemistry, St. Stephen’s College, University of Delhi, 19-20 March, 2018.

Goswami, N., and Kant, R., *Theory for Electrochemical Impedance Response of Solid State Electrolyte*, 1stWorld Conference on Solid Electrolytes for Advanced Applications: Garnet & Competitors, Department of Physics, Pondicherry University, India, 6-9 September, 2017.

Goswami, N., and Kant, R., *Theory for Electrochemical Impedance Response of Solid State Electrolyte*, ACS on Campus India Roadshow, University of Delhi, Delhi, 5 February, 2018.

Gupta, P., and Nagarajan, R., *Fine tuning bifunctional properties of $Y_{0.5}Gd_{0.5}BO_3$ by doping with Ce^{3+} and codoping with Li^+ , Ca^{2+} and Al^{3+} following an epoxide mediated gel approach*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian Institute of Petroleum, Dehradun, Uttarakhand, 15-17 March, 2018. (Awarded Best Poster Award).

Hemlata and Kaur-Ghumaan, S., *Monothiolate versus Dithiolate-Bridged {2Fe-2S} Model Complexes with a Diphosphine Ligan*, 2nd International Conference on Electrochemical Science and Technology (ICONEST-2017), IISc-Bangalore, 10-12 August, 2017.

Hemlata, Natarajan M., and Kaur-Ghumaan, S., *Mononuclear Iron Carbonyl Complex $[Fe(\eta\text{-}bdt)(CO)_2(PTA)_2]$ with bulky phosphine ligand: A model for the $[FeFe]$ hydrogenase enzyme active site with an inverted redox potential*, Modern Trends in Inorganic Chemistry (MTIC- XVII), CSIR-NCL, IISER – Pune, 11-14 December, 2017.

Kaim, V., Natarajan, M., and Kaur-Ghumaan, S., *Electrochemical Proton Reduction Catalyzed by Thiolate-Bridged Manganese Carbonyl Complexes*, National Conference on Chemical Sciences: Opportunities & Challenges, St. Stephen's College, University of Delhi, 19-20 March, 2018.

Kaim, V., Natarajan M., and Kaur-Ghumaan, S., *Electrocatalytic Production of Hydrogen by Manganese Imidazole Complexes: A Renewable and Sustainable Source of Energy*, Green Chemistry New Zealand, University of Auckland, New Zealand, 8-9 December, 2017.

Kaur, J., and Kant, R., *Theory for Potential of Zero Charge of Self Assembled Monolayer over Curved Metal Electrode*, 54th Annual Convention of Chemists (ICS-2017), Department of Chemistry, Uka Tarsadia University, Bardoli, Surat, Gujrat, 23-25 December, 2017. (Prof. S. T. Nandibewoor Award for Best Poster).

Kaur, J., and Kant, R., *Theory for Potential of Zero Charge of Self Assembled Monolayer over Curved Metal Electrode*, ACS on Campus India Roadshow, University of Delhi, 5 February, 2018. (*Awarded Best Poster Award)

Kaur, N., and Chandra, R., *Biomarker Discovery in Drug Development with an emphasis on LiverToxicogenomics: Bench to Bedside Paradigms Employing Zebrafish*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Kaushik, R., Parbhakarand, S., Hussain, F., *Synthesis and Characterization of lanthanoid substituted transition metal containing inorganic-organic hybrid polyoxometalates*, Innovations in Sciences in Emerging Challenges in Health and Environment (NSHE-2018), Department of Chemistry, Daulat Ram College, University of Delhi, 19-20 March, 2018.

Khan, I., and Hussain, F., *Syntheses, crystal structure and solid state properties of lanthanoid containing nanocluster: $[(LnSiW_{10}O_{38})_4(W_3O_8)(OH)_4(H_2O)_2]_{26}$* , 24th ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Komal, Sonia, Kukreti, S., Kaushik, M., *Green synthesis of silver nanoparticles using Epipremnum aureum leaf extract and its interaction studies with Calf Thymus DNA*, Trends in Nanobiotechnology (Biotikos), Teri University, Delhi, 28-29 September, 2017.

Komal, Sonia, Kukreti, S., Kaushik, M., *Physicochemical studies of silver nanoparticles prepared using Epipremnum aureum leaves extract with Calf Thymus DNA*, Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi, 10-11 October, 2017.

Komal, Sonia, Kukreti, S., Kaushik, M., *An environmentally benign approach to synthesize Silver nanoparticles using Epipremnum aureum leaf extract and its interaction studies with Calf Thymus DNA*, One-day Indo-Hungarian symposium on Recent Advances in Chemistry and Biology, Miranda House, Department of Chemistry, University of Delhi, Delhi, 11 December 2017.

Kumar, A., Baruah, A., and Biswas, P., *Role of Local and Nonlocal Interactions and Site directed point mutations and Folding and Misfolding of Globular Proteins*, Breaking Barriers through Bioinformatics and Computational Biology, IIT Delhi, Delhi, 31 July - 1 August, 2017.

Kumar, A., Baruah A., and Biswas, P., *Role of Local and Nonlocal Interactions and Site directed point mutations in Folding and Misfolding of Globular Proteins*, ACS on Campus, University of Delhi, Delhi, 5 February, 2018.

Kumar, M., Srivastav, S., Kant, R., *EIS with DC bias at Rough Electrodes: Quasireversibility and Uncompensated Resistance*, Prof. R. C. Paul National Symposium, Panjab University, Chandigarh, 22-23 February, 2018. (*Awarded Best Poster Award)

Kumar, M., Tripathi, V.K., and Nagarajan, R., *Emergence of defect fluorite structure in nanosized Thoria doping with some divalent transition metal ions*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Neha, Kant, R., *Influence of Excluded Volume Interactions (EVI) on Dynamics of Dendrimer and Sierpinski Fractal Polymers in Random Flow*, 22nd CRSI National Symposium in Chemistry and 12th CRSI-RSC Symposium in Chemistry, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (Chhattisgarh), 1-4 February, 2018.

Pokhriyal, M., Malik, V., Uma, S., *Synthesis and characterization of multifunctional mineral beyerite $\text{CaBi}_2\text{O}_2(\text{CO}_3)_2$* , 24th Congress & General Assembly of the International Union of Crystallography 2017, Hyderabad, 21- 28 August, 2017.

Rashmi, and Sharma, S.K., *Synthesis of Non-ionic Bolamphiphile and Study of its Self-assembly and Transport Behaviors for Drug Delivery Application Glucitol based self-assembling non-ionic amphiphilic architectures for encapsulation of non-polar drugs*, 4th International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January, 2018.

Rathee, G., Tomar, R., Tomar V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Saksena, K., Shrivastava. A., and Kant, R., *Chiral analysis of ascorbic acid in bovine serum using ultrathin molecular imprinted polyaniline/graphite electrode*, Emerging Trends in Drugs Development and Natural Products, Department of Chemistry, Delhi University, Delhi, 12-14 January, 2018.

Sethi, A., Uma, S., *Novel Sb^{5+} containing oxide possessing unique structural features*, 24th Congress & General Assembly of the International Union of Crystallography 2017, Hyderabad, 21- 28 August, 2017.

Shalu, Rawat, P., Uma, S., and Nagarajan, R., *Mechanochemical transformation of ZnO_2 to highly defective ZnO*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Sharma, R.K., *Curcumin loaded silver Nanoparticles: An effective anti HIV therapeutics?*, Department of Medicine Research day, University of Buffalo, Buffalo. USA, 24 June 2017.

Sharma, S., and Biswas, P., *Hydration Water around the Protein Surface*, ACS on Campus, University of Delhi, Delhi, 5 February, 2018. (*Awarded Best Poster Award)

Sharma, S., and Biswas, P., *Hydration Water around the Protein Surface*, Breaking Barriers through Bioinformatics and Computational Biology, IIT Delhi, Delhi, 31 July - 1 August, 2017.

Singh, A.K., and Sharma, S.K., *Aggregation Behaviors of Non-Ionic Twinned Amphiphiles and Their Application as Biomedical Nanocarriers*, 4th International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January, 2018.

Singh, M., Solel, E., Keinan, E., O. Reany, Chauhan, S.M.S., Chandra, R., *Aza-Bambusurils En Route to Anion Transporters*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Singh, N., Tomar, R., Tomar, V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Singh, N., Tomar, V., and Chandra, R., *Ce-Bearing Solid Base Catalyst: Synthesis, Characterization and its Application in Suzuki-Miyaura Reaction*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Singh, P., and Nath, M., *Synthesis and spectroscopic properties of β, β' -fused pyridoporphyrins*, 40th ISCB International Conference on Frontier Research in Chemistry & Biology Interface (ISCBC-2018), Manipal University, Jaipur India, 11-13 January, 2018.

Sonia, Komal, Kukreti, S., Kaushik, M., *Unravelling the binding of Calf Thymus DNA with metal nanoparticles: A comparative study of chitosan and citrate stabilized gold nanoparticles*, Trends in Nanobiotechnology (Biotikos), Teri University, Delhi, 28-29 September, 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *Physicochemical study of gold nanoparticles synthesized through Green as well as Chemical method: Interaction with Calf Thymus DNA and the role of stabilizing agent*, Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi, 10-11 October, 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *A Physicochemical approach to study the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA: A physicochemical approach*, Indo-Hungarian symposium on Recent Advances in Chemistry and Biology, Miranda House, Department of Chemistry, University of Delhi, Delhi, 11 December 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *A Physicochemical approach to study and compare the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA*, International Conference on "Emerging Trends in Drugs Development and Natural-Products, Department of Chemistry, University of Delhi, Delhi, 12-14 January, 2018.

Sood, D., Tomar V., and Chandra, R., *Application of chitosan coated magnetic nanoparticles as an efficient drug delivery system for Noscapine*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Tekuri, Nath, M., *Synthesis and photophysical properties of β,β' -fused benzo[f]quinoxalinoporphyrins*, 40th ISCB International Conference on Frontier Research in Chemistry & Biology Interface (ISCBC-2018), Manipal University, Jaipur, India, 11-13 January, 2018.

Tomar, R., Tomar V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Henry Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Tomar, V., Chandra R., and Prakash, S., *Metabolism of Anticancer Agent Noscapine and Analogs*, International Conference, 60th Anniversary of Artificial Cells in conjugation with XVI ISBS Int. Symposium Blood Substitutes & Oxygen Therapeutics V ISNS Nanomedicine Conference, Montreal, Qubec, Canada, 13-15 November 2017.

Tripathi, V.K., and Nagarajan, R., *Solid solution synthesis of $Gd_{1-x}Dy_xCrO_3$: Magnetic, optical and catalytic properties*, 10th National Conference on solid state chemistry and allied areas, ISCAS-2017, Delhi Technological University, Delhi, 01-03 July, 2017.

Other Inter-Institutional Collaboration

Prof. S. K. Sharma: Collaboration with Prof. Rainer Haag, Freie University Berlin, Germany.

Prof. S. K. Sharma: Collaboration with Prof. K. Parang, Chapman University, CA, USA.

Prof. S. K. Sharma: Collaboration with Prof. H. K. Gautam, CSIR-IGIB, Delhi (Student's co-supervisor)

Prof. S. K. Sharma: Collaboration with Dr. Praveen Vats, DRDO-DIPAS, Delhi (Student's co-supervisor)

Prof. M. Thirumal: Collaboration with IIT, Delhi with Prof. A. K. Ganguli. (Student's co-supervisor)

Prof. M. Thirumal: Collaboration with INMAS, Delhi with Dr. Anupama Datta (Student's co-supervisor)

Students Under Exchange Programme

Prof. S. K. Sharma's student, Ms. Rashmi visited Free Universitat Berlin, Germany.

Number of M.Phil./Ph.D. Degrees Awarded: Ph.D. – 53;

Faculty Strength: 36.

Other Significant Information

The Department at present has 600 M.Sc. students and 300 Ph.D. scholars.

ENVIRONMENTAL STUDIES

Major Activities and Achievements

The Department is engaged in teaching and research in the field of environmental studies. Each year, we admit 54 students from varied academic backgrounds straddling various disciplines to two post-graduate courses (M.Sc.- 31 & M.A.- 23) through an All India Entrance Test. Our faculty is engaged in frontline areas of research across basic ecological, environmental and applied environmental sciences. We also undertake research in socially relevant areas related to national development and contribute to resolution of issues arising from environmental degradation. Faculty members regularly publish their research findings in top-tier peer-reviewed journals viz., Nature, Science, and other high-impact journals. We have also secured extramural research grants, which are used in developing state-of-the-art laboratories and for training research scholars. Our faculty members are recognized world leaders in their fields. They widely collaborate with international experts and are regularly invited to share their findings through keynote/plenary lectures at National and International forums.

Honours/Distinctions

Prof. Maharaj K. Pandit, Hrdy Fellow, Radcliffe Institute for Advanced Study, Harvard University in the area of Life Sciences.

Prof. Maharaj K. Pandit, Fellow of Indian National Science Academy (INSA), New Delhi, India.

Prof. Inderjit Singh, Distinguished Ecologist Award by Ecological Society of America.

Prof. P. PardhaSaradhi, Group Leader, NanoApp Team that won 2017 Tech Planter in India Competition (organised by Leave a Nest Co. Ltd., Japan).

Publications

Bageshwar, U.K., Srivastava, M., Pardha-Saradhi, P., Paul, S., Gothandapani, S., Jaat, R.S., Shankar, P., Yadav, R., Biswas, D.R., Kumar, P.A., Pardaria, J.C., Mandal, P.K., Annapurna, K. and Das, H.K. (2017). An environment friendly engineered *Azotobacter* can replace substantial amount of urea fertilizer and yet sustain same wheat yield. *Applied and Environmental Microbiology*, 83, e00590-17. doi:10.1128/AEM.00590-17

Balyan, P., Ghosh, C., Das, S. and Banerjee, B.D. (2017). Spatial Variation of Biogenic Aerosols at Different Land Use Configurations in Urban Delhi. *International Journal of Applied Environmental Sciences*, 12(5), 731-744.

Balyan, P., Ghosh, C., Sharma, A.K., Banerjee, B.D. (2018). Health effects of air pollution among residents of Delhi: a systematic review. *International Journal of Health Sci Res.* 8(1), 273-282.

Becerra, P., Callaway, R., Catford, J., Inderjit, Andonian, K., Luce, M., Aschehoug, E. and Montesinos, D. (2018). Inhibitory effects of *Eucalyptus globulus* on understory plant growth and species richness are greater in non-native regions. *Global Ecology & Biogeography*, 27, 68-76.

Berger, A., Brouquisse, R., Pathak, P.K., Hichri, I., Inderjit, Bhatia, S., Boscari, A., Igamberdiev, A.U. & Gupta, J.K. (2018). Pathways of nitric oxide metabolism and operation of phytooglobins in legume nodules: missing links and future directions. *Plant Cell & Environment*, 41, 2057-2068.

Bhatt, J. P., Manish, K., Mehta, R. and Pandit, M.K. (2017). Assessing Potential Conservation and Restoration Areas of Freshwater Fish Fauna in the Indian River Basins. *Environmental Management*, 57, 1098-1111.

Bhatt, J. P. and Pandit, M.K. (2017). Endangered Golden mahseer *Tor putitora* Hamilton: a review of natural history. *Reviews in Fish Biology and Fisheries*, 26, 25-38.

Chen, J., Huang, M., Cao, F., Pardha-Saradhi, P. and Zou, Y. (2017). Urea application promotes amino acid metabolism and membrane lipid peroxidation in *Azolla*. *PLoS ONE*, 12, e0185230. doi.org/10.1371/journal.pone.0185230

Garg, A., Sharma, P. and Ghosh, C. (2018). Time series analysis of particulate matter (PM10) in Delhi, *International Journal of Latest Engineering and Management Research*, 3(02), 04-10.

Garg, S. and Biju, S. D. (2017). Description of four new species of Burrowing Frogs in the *Fejervaryarufescens* complex (Dicroglossidae) with notes on morphological affinities of *Fejervarya* species in the Western Ghats. *Zootaxa* 4277, (4), 451-490

Garg, S., Senevirathne, G., Wijayathilaka, N., Phuge, S., Deuti, K., Manamendra-Arachchi, K., Meegaskumbura, M. and Biju, S. D. (2018). An integrative taxonomic review of the South Asian microhylid genus *Uperodon*. *Zootaxa*, 4384(1), 1–88.

Garg, S., Suyesh, R., Sandeep, S. and Biju, S.D. (2017). Seven new species of Night Frogs (Anura, Nyctibatrachidae) from the Western Ghats Biodiversity Hotspot of India, with remarkably high diversity of diminutive forms *Peer J*, 5, e3007.

Goyal, N., Esler, K. and Sharma, G. P. (2018). What drives performance potential of *Lantana camara* L. (*sensulato*) in the invaded range? *Tropical Ecology*, 59(1): 57-68. [Covered by DST-NRF Centre of Excellence for Invasion Biology, South Africa].

Goyal, N., Shah, K., Sharma, G.P. (2018). Does intrinsic light heterogeneity in *Ricinus communis* L. monospecific thickets drive species' population dynamics? *Environmental Monitoring and Assessment*, 190(7), 410.

Inderjit, Catford J. A., Kalisz, S., Simberloff, D. and Wardle, D.A. (2017). A framework for understanding human-driven vegetation change. *Oikos* 126, 1687–1698.

Inderjit, Pergl, J., van Kleunen, M., Hejda, M., Babu, C.R., Majumdar, S., Singh, P., Singh, S. P., Salamma, S., Rao, B.R.P. and Pyšek, P. (2018). Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. *Biological Invasions*, 20, 1625–1638.

Kauffman, K.M., Hussain, F.A., Yang, J., Arevalo, P., Brown, J.M., Chang, W. K., Vaninsberghe, J.E., Sharma, R.S., Cutler, M.B., Kelly, L., and Polz, M.F. (2018). A major lineage of no-tailed dsDNA viruses as unrecognized killers of marine bacteria. *Nature*, 554, 118–122.

Mahony, S., Foley, N. M., Biju, S. D. and Teeling, E. C. (2017). Evolutionary History of the Asian Horned Frogs (Megophryinae): Integrative approaches to timetree dating in the absence of a fossil record. *Molecular Biology and Evolution*, 34(3), 744-771.

Majumdar, S., Sanwal, U., Inderjit. (2017). Interference potential of *Sorghum halepense* on soil and plant seedling growth. *Plant and Soil*, 418, 219-230.

Malhotra, S., Mishra, V., Karmakar, S., and Sharma, R. S. (2017). Environmental predictors of indole acetic acid producing rhizobacteria at fly ash dumps: Nature-based solution for sustainable restoration. *Frontiers in Environmental Science* 5, 59, Doi: 10.3389/fenvs.2017.00059.

Manish, K., Pandit, M.K., Telwala, Y., Nautiyal, D.C., Koh, L. P. and Tiwari, S. (2017). Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *J. Plant Research*, 130(5), 829-844.

Martinez-Garcia, L., De Deyn, G., Pugnaire, F., Kothamasi, D., van der Heijden, M.G.A. (2017). Symbiotic soil fungi enhance ecosystem resilience to climate change. *Global Change Biology*, 23, 5228-5236.

Mishra, R., Das, M. K., Singh, S., Sharma, R. S., and Mishra, V. (2017). Articulin-D induces apoptosis via activation of caspase-8 in acute T-cell leukemia cell line. *Molecular and Cellular Biochemistry*, 426, 87–99.

Mishra, R., Sharma, S., Sharma, R. S., Singh, S., Sardesai, M. M., Sharma, S. and Mishra, V. (2018). *Viscum articulatum* Burm. F. aqueous extract exerts antiproliferative effect and induces cell cycle arrest and apoptosis in leukemia cells. *Journal of Ethnopharmacology*, 219, 91-102.

Mishra, R., Yadav, A., Sharma, S., Singh, S., Sharma, R.S., Malhotra, S., Karmakar, S., Sardesai, M.M., and Mishra, V. (2017). Purification and characterization of a lectin isoform of ribosome inactivating protein from *Viscum articulatum* parasitic on *Grewia tilifolia*. *Phytomorphology*, 67(3&4), 67-84.

Pandit, M. K. (2017). *Life in the Himalaya: An Ecosystem Risk Assessment*. USA: Harvard University Press.

Pardha-Saradhi, P., Shabnam N., Sharmila P., Ganguli, A. K. and Kim H. (2018). Differential sensitivity of light-harnessing photosynthetic events in wheat and sunflower to exogenously applied ionic and nanoparticulate silver. *Chemosphere*, 194, 340-351.

Prasad, R., Yamal, G. and Pardha-Saradhi, P. (2017). Impact of storage on chlorophyll *a* fluorescence kinetics of microalgae immobilized on cotton fabric. *Phytomorphology*, 67, 59-65.

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P., Groom, Q. J., Henderson, L., Inderjit, Kupriyanov, A., Masciadri, S., Maurel, N., Meerman, J., Morozova, O., Moser, D., Nickrent, D., Nowak, P.M., Pagad, S., Patzelt, A., Pelsner, P.B., Seebens, H., Shu, W., Thomas, J., Velayos, M., Weber, E., Wieringa, J.J. and van Kleunen, M. (2017). Naturalized and invasive alien flora of the world: species diversity, taxonomic and phylogenetic patterns, geographic distribution and global hotspots of plant invasion. *Preselia*, 89, 203–274.

Ripple et al. (2017) World Scientists' Warning to Humanity: A Second Notice. *BioScience*, 67(12), 1026-1028. [Signatory to the article]

Sanchez, E., Biju, S. D., Islam, M. M., Hasan, M., Ohler, A., Vences, M., and Kurabayashi, A. (2018). Phylogeny and classification of Fejervaryan frogs (Anura: Dicroglossidae). *Salamandra* 54, 109-116.

Saxena, P. and Ghosh, C. (2017). Role of Biogenic VOCs in Atmosphere for the Production of Tropospheric Ozone in Delhi, India. *International Journal of Scientific and Engineering Trends and Technology (IJSET)*, 8(10), 748-755.

Saxena, P. and Ghosh, C. (2018). A Sustainable Way to Mitigate Ozone Pollution by Reducing Biogenic VOCs Through Landscape Management Programme, *International Journal of Engineering Trends and Technology (IJETT)*, 56(2), 87-91.

Shabnam, N., Sharmila, P., Govindjee, Kim, H. and Pardha-Saradhi, P. (2017). Differential response of floating and submerged leaves of longleaf pondweed to silver ions. *Frontiers in Plant Science*, 8, 1052.

Shabnam, N., Sharmila, P. and Pardha-Saradhi, P. (2017). Impact of ionic and nanoparticle speciation states of silver on light harnessing photosynthetic events in *Spirodelapolyrhiza*. *International Journal of Phytoremediation*, 19, 80-86.

Sharma, B. B., Banerjee, B. D., and Urfi, A.J. (2017). Indian zoos can contribute towards ornithological research in novel Ways. *Current Science*. 113/6 (25 September 2017), 1013.

Sharma, B. B., Banerjee, B. D. and Urfi, A.J. (2017). A preliminary study of cross-amplified microsatellite loci using molted feathers from a near-threatened Painted Stork (*Mycteria leucocephala*) population of north India as a DNA source. *BMC Res Notes*. Doi: 10.1186/s13104-017-2932-y

Sharmila, P., Kumari, P.K., Singh, K., Prasad, N.V.S.R.K. and Pardha-Saradhi P. (2017). Cadmium toxicity-induced proline accumulation is coupled to iron depletion. *Protoplasma*, 254, 763-770

Singh, G., Deb, M. and Ghosh, C. (2018). Delimiting the boundary of Delhi for effective urban political ecology investigations. *Journal of Innovation for Inclusive Development*, 3(1), 31-39.

Singh, S., Mishra, R., Sharma, R. S., Mishra, V. (2017). Phenol remediation by peroxidase from an invasive mesquite: Turning an environmental wound into wisdom. *Journal of Hazardous Materials*, 334, 201-211.

Singh, S.P., Inderjit, Singh, J. S., Majumdar, S., Moyano, J., Nuñez, M.A. and Richardson, D. (2018). Insights on the persistence of pines (*Pinus* species) in the late Cretaceous and their increasing dominance in the Anthropocene. *Ecology & Evolution*, <https://doi.org/10.1002/ece3.4499>

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Tomar, M., Singh, A. P. and Diwakar, S. (2017). Bioacoustics or pitfall traps: Comparison of a modern and a traditional method to estimate Ensifera richness. *Current Science*, 113(4), 561.

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Urfi, A.J. (2017). Values Associated with village tanks and some instances of enviro-legal activism for Wetland Conservation. In Prusty, B. A. K, Chandra, R. and Azeez, P. A. (Eds.), *Wetland Science, Perspectives from South Asia*. (Eds.), (pp. 563-573). Springer (India). Doi: 10.1007/978-81-322-3715-0_29.

Zhang, F.L., Li, Q., Chen, F. X., Xu, H.Y., Inderjit and Wan, F. H. (2017). Arbuscular mycorrhizal fungi facilitate growth and competitive ability of an exotic species *Flaveria bidentis*. *Soil Biology & Biochemistry*, 115, 275-284.

Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board:

Professor M.K. Pandit: Academic Editor -PLOS ONE; Member, Editorial Board - Research & Reports in Biology

Professor P. PardhaSaradhi, Academic Editor - PLoS ONE; Associate Editor - *Water-Energy Nexus*; Member Editorial Board - *Physiology and Molecular Biology of Plants*; Member Editorial Board – *Phytomorphology*

Professor Inderjit Singh, Associate Editor, Biological Invasions, Springer; AoB Plants, Oxford Press (2013 - present); Scientific Reports, Nature Publishing Group (2014 - present); NeoBiota, Pensoft Publishers (2014 - present); **Journal of Applied ecology**

Research Projects

S. No.	Title /Description	Principal Investigator	Sponsoring organization	Duration	Total cost
1	Ecological Survey of KuriGongri HEP, Bhutan	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs. 5,40,000
2	Ecological Survey for Upper Indravati PSP, Odisha	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs. 4,80,000
3	Ecological Survey for Sita-Rama LIP, Telangana.	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs.4,80,000
4	Ecological Study for Odisha Thermal Power Project at Kamakhyanagar	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	June, 2018 to July 2018	Rs.4,90,000
5	Biodiversity Studies for Pinnapuram Andhra Pradesh and Saundatii, Karnataka	Prof. Maharaj K. Pandit	R.S. Envirolonk Technologies PVT	Sept. 2018 to Nov. 2018	Rs.4,00,000
6	Inavasion ecology of <i>Prosopisjuliflora</i> in contexts of biodiversity and conservation	Prof. Inderjit Singh	Department of Biotechnology, Govt. of India	2015-2018	Rs.47,96,600
7	Advanced Training and Research in Plant Biosystematics	Prof. Sharma	R.S. Ministry of Environment, Forests & Climate Change, New Delhi	2015-2019	Rs. 48,00,000
8	Diversity in bacteria at nutrient stressed site: Role of bacteriophages	Prof. Sharma / Dr. Vandana Mishra	R.S. Department of Science and Technology, New Delhi	2015-2019	Rs. 27,00,000
9	Monitoring Indoor Air Pollution (IAP) in Delhi University Area and accessing its Human Health Impacts,	Dr. Chirashree Ghosh	Ministry of Earth Sciences (MoES), New Delhi	2016-2019	Rs. 86,70,500
10	Spatio-Temporal Epidemiology of Chronic Respiratory Illnesses in Urban Indian Settlements (STEPCRUISE)	Dr. Chirashree Ghosh	Ministry of Health and Family Affairs, Department of Health Research	2016-2019	Rs. 30,63,000
11	Impact of Environmental Bioaerosol Pollution on Human Health: A “case-control study” for Exacerbation of COPD in North Indian	Dr. Chirashree Ghosh	Ministry of Environment, Forests & Climate Change	2015-2018	Rs. 37,72,216

12	Population. Functional and Taxonomic Diversity Among Plant Growth Promoting Rhizobacteria Fly Ash Environment	Dr. Vandana Mishra	Department of Science and Technology, New Delhi	2014-2017	Rs.18,00,000/-
13	Insect herbivores on an invasive plant (<i>Hyptis suaveolens</i>): A case of host shift, ecological fitting or an evolutionary trap?	Dr. Gyan Prakash Sharma, Dr Swati Diwakar	Department of Science and Technology, New Delhi	05 years; 2015- ongoing	Rs. 26,00,000
14	“Traits that matter...Indian sub- continent”	Dr. Gyan Prakash Sharma	Department of Science and Technology, New Delhi	2013-2016	Rs. 20,70,000
15	“Wetas: search for the lesser known and elusive insects in India”	Dr. Swati Diwakar	National Geographic Conservation Trust	02 years; 2017- ongoing	US \$ 1500

Seminars/Conference presentations

Arora, J., *Community dynamics of degraded Himalayan habitats*, National Conference on Environmental Challenges for ‘New India’, organised by Environment and Social Development Association (ESDA), Delhi in collaboration with Dr. Bhim Rao Ambedkar College, University of Delhi, CSIR-National Environmental Engineering Research Institute and National Environmental Science Academy, Delhi; 2 – 3 June 2018.

Balyan, P., Shankar, A., Yadav, A.K., Ghosh, C., Poster presentation, *Effect of Micro-environment on Bio-aerosol Count*, Rajasthan Science Congress Conference on Environmental Pollutants and Climate Change, Biotechnology center, Amity University, Jaipur, Rajasthan; 13 October 2017.

Diwakar, S., Plenary Lecture, *Katydid Country: Acoustic diversity of Katydid from North Eastern India*, International Conference in Zoological Sciences, Punjabi University, Patiala; (29th October 2017).

Garg, A., and Ghosh, C., *Assessment of Respirable Particulate Matter (PM_{2.5}) in and Around Residential Area of University of Delhi*, National Workshop on Celebrating Earth Day: A Step Towards Nurturing Nature, organised by School of Engineering, GD Goenka University (GDGU), Gurgaon and National Environmental Science Academy (NESA), Delhi; 30 April 2017.

Garg, S., Sharma, R.S., Dumeé, L., and Mishra, V., *Phage Display based biosensors for detection of environmental pollutants*. International Conference on Nanobiotechnology, Jamia Millia Islamia, New Delhi; 05 – 06 February 2018.

Goyal, N., and Sharma, G.P., *Does variable ploidy level or architectural strategies boost invasive success of Lantana camara L. (sensulato) in contrasting light environments?*, 10th TCS Annual Meeting and Flow Cytometry Workshop on Applications of Flow Cytometry in Health and Disease, SreeChitraTirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, Kerala; 28 – 29 October 2017.

Goyal, N., and Sharma, G.P., Poster presentation, *Performance strategies of Lantana camara L. in contrasting light environments*, Workshop on Economic and Ecological Impacts of Invasive Alien Species, Indian Statistical Institute, Kolkata, India; 21 – 23 February 2018 (Award for Best Poster)

Inderjit, Delivered Keynote Lecture, established collaboration with the University of Kunming and Shenzhen Genome Institute China to work on the invasion and the management of *Ageratina adenophora* and *Mikania micrantha*; 19 – 24 March 2017.

Inderjit, Invited Lecture, Peer Group on Global Risk Assessment of *Prosopis juliflora*. Invited by European and Mediterranean Plant Protection Organization (EPPO) to prepare a pest risk analysis for two invasive plant species, *Prosopis juliflora* and *Hakea sericea*, Paris, France; 15 – 19 May 2017.

Inderjit, Plenary Lecture, *Allelopathy: studies on the ecology of plant chemistry*, 8th World Allelopathy Congress, Marseille, France; 24 – 28 July 2017.

Inderjit, Invited Lecture, *Causes of biological invasions*, Natural Resources, University of Alberta, Canada; 11 January 2018.

Kaushik, R., Poster Presentation, *Rhizosphere bacterial microbiome and plant invasion*, SCCS (Student Conference on Conservation Science), University of Cambridge, UK; 27- 29 March 2018.

Manish, K., *How to strengthen and complement the loss and damage mechanism provided under the Paris Agreement: A case study of Madagascar*, South and South-east Asian Youth Seminar on Climate Change, Ministry of Foreign Affairs, Taipei, Taiwan; 4 – 5 July 2017.

Manish, K., Bhatt J.P., and Pandit, M.K., *Varying patterns of species richness along elevational gradients in terrestrial and aquatic ecosystems of the Himalaya*. International Biogeography Society – India Meeting, Indian Institute of Science (IISC), Bengaluru, India; 26-28 September 2017.

Manish, K. and Pandit, M.K., *Testing for phylogenetic control in plant species response to climate change in the Himalaya*. XIX Commonwealth Forestry Conference, Forest Research Institute, Dehradun, India; 3 – 7 April 2017.

Mishra, R., Yadav, A., Sharma, R.S., Mishra, V., *Purification of a ribosome inactivating lectin from Viscum articulatum: a protein with multiple enzymatic activities*. World Biotechnology Congress, Jawaharlal Nehru University, New Delhi, 20-22 February 2017.

Mishra, V., *Bioremediation Practices for Sustainable Dye Industry: An Environmental Perspective*, India-UK Workshop on Knowledge transfer on the sustainability of innovative wastewater treatment technologies to India, Kongunadu Arts and Science College, Coimbatore, Tamil Nadu, India; 03 – 04 April 2018.

Mishra, V., *Microbe-mediated Dye Detoxification: Current status, challenges, and research opportunities*, International Workshop on Materials for Energy, Environment and Biological Applications, PG & Research Department of Biotechnology Kongunadu Arts and Science College; 5 April 2018.

PardhaSaradhi, P., Invited Lecture and deliberations on possible transfer of technology from lab to industry, *Nanomaterial impregnated fabrics*, Super Factory Meet-up Session, National Design Centre, Singapore; 30 July 2017.

PardhaSaradhi, P., Invited Lecture, *Autotrophs – Key for sustainable wetlands*, 13th International Conference on Sustainable Water Environment, Seoul, Korea; 16 – 18 Aug 2017.

PardhaSaradhi, P., Invited Lecture, *Can we design an ideal plant system to counter global climate change?*, National Conference on ‘Challenges and Strategies to Improve Crop Productivity in Changing Environment: An Integrated Approach’, Zakir Husain Delhi College; 12 January 2018.

PardhaSaradhi, P., Yamal, G., Sharmila, P., Shabnam, N., Kim, H. and Rao, K.S., Invited Lecture, *Fabrication of solar radiation powered AgNPs impregnated antimicrobial fabrics for healthcare*, Tech Plan Demo Day, Singapore IMDA PIXEL Labs, Singapore; 29 July 2017.

Shabnam, N., Sharmila, P., Kim, H. and PardhaSaradhi, P., Invited Lecture, *Light harvesting machinery of aquatic macrophytes generates nanoparticles to counter toxic heavy metal ions*, 13th International Conference on Sustainable Water Environment, Seoul, Korea; 16 – 18 Aug 2017.

Tiwary, C., and Diwakar, S., *Katydid country: Tettigoniid community description of Gibbon Wildlife sanctuary, Assam*, XXVI International Bioacoustics Congress, Gurukul Kangri Vishwavidyalaya, Haridwar; 8 – 13 October 2017.

Tiwary, C., and Diwakar, S., *Katydid of North-East: The new frontiers of Bioacoustics*, ENCON January 4-6, 2017, New Delhi, India

Tomar, M., and Diwakar, S., *Acoustic diversity of field crickets from India (Infraorder: Gryllidea)*. 16th Invertebrate Sound and Vibration Meeting, Castle of Rauischholzhausen, Giessen, Germany ISV; 14 – 17 September 2017.

Tomar, M., and Diwakar, S., *Preliminary observations on Indian Wetland vocalizations*, ENCON January 4-6, 2017 New Delhi, India

Yadav, A.K., and Ghosh, C., Poster presentation, *A review on indoor air pollution and its associated health risk*. Rajasthan Science Congress Conference on Environmental Pollutants and Climate Change, Biotechnology center, Amity University, Jaipur, Rajasthan; 13 October 2017.

Other Inter-Institutional Collaborations

International:

Professor Maharaj K. Pandit: Collaborative projects on (i) “*Evolutionary Divergence of the Himalayan flora*” with Prof. Andrew Knoll, Harvard University, Prof. Oliver Jagoutz and Prof. Taylor Perron, Massachusetts Institute of Technology (MIT), USA and Prof. Lian Pin Koh, University of Adelaide, Australia (ii) “*Ecological Surveys & River Basin Studies*” with WAPCOS Limited, Gurgaon.

Prof. P. Pardha Saradhi: Collaborative project on “*Investigations on photosynthesis and nanobiotechnology*” with Prof. Govindjee, Professor Emeritus, Biochemistry, Biophysics and Plant Biology, UIUC, Urbana, IL61801-3707, USA and Prof. Reto J. Strasser, Bioenergetics Laboratory, University of Geneva, Switzerland.

National:

Dr. Chirashree Ghosh: Collaborative projects on (i) “*Monitoring Indoor Air Pollution (IAP) in Delhi University Area and assessing its Human Health Impacts*” with Prof. Arun Sharma, Department of Community Medicine, University College of Medical Sciences (UCMS), New Delhi. (ii) “*Spatio-Temporal Epidemiology of Chronic Respiratory Illnesses in Urban Indian Settlements (STEP CRUISE)*” with Prof. Arun Sharma, Department of Community Medicine, UCMS, New Delhi. (iii) “*Impact of Environmental Bioaerosol Pollution on Human health: A case control Study for Exacerbation of COPD in North Indian Population*” with Prof. B.D. Banerjee Department of Biochemistry, Prof. Arun Sharma, Department of Community Medicine, Prof. Shukla Das, Department of Microbiology and Prof. R. Awasthi, Department of Medicine, UCMS, New Delhi (iv) “*System of Air Quality weather Forecasting and Research (SAFAR)*”, Institutional collaboration with Indian Institute of Tropical Meteorology, Pune and Indian Meteorological Department, Mausam Bhawan, New Delhi, Programme Coordinator - Dr. Gurfan Beig.

Students under Exchange Programme

Sudipto Majumdar, a Ph.D. student visited University of Alberta, June 2018 for his research project

Extension and Outreach Activities

Ghosh, C., Resource Person, “Indoor air pollution and human health”, Indraprastha college for women in collaboration with Department of Environmental Studies, University of Delhi. 22 September 2017. Total attendees: 40

Ghosh, C., Resource Person, “Emerging pollution issues; it’s associated health risks in urban environment”, Miranda House in collaboration with Department of Environmental Studies, University of Delhi. 18 August 2017. Total attendees: 35

Number of Ph.D. Degrees Awarded: 02

Faculty Strength: 11 (Permanent)

GEOLOGY

Major Activities and Achievements

The Geology Department is committed to high standards of education and research in geosciences leading to development of well-trained academics and professional geologists. Many faculty members are associated with important research projects on paleobiology, paleoclimate, cryosphere, deformation and metamorphism, groundwater, sedimentology, magma mixing, tectonic geomorphology and paleopedology. Research findings have been published in many high impact journals and textbooks. Prof. Chattopadhyay has worked on developing a methodology for digital structural mapping and experimental modeling of complex fault patterns. Prof. Prasad and his students are credited for their excellent work on paleobiology and the discovery of first ichthyosaur from the Jurassic of India and mammal of Gondwanan lineage. Prof. Chakraborty deciphered the oldest tidal record of the world and also worked on process-based sedimentology, microbial mat induced sedimentary structure and initiated geochronological work. Prof. Pant worked on Himalayan cryosphere, crustal evolution and tectonic switching of the provenance in Himalayas.

Honours/Distinctions

Prof A. Chattopadhyay was elected Fellow, West Bengal Academy of Science and Technology (WAST), January 2018.

Prof. G.V.R. Prasad was invited as Visiting Scientist by Museum National d'Histoire Naturelle (MNHN), Paris from 01.06.2017 to 31.07.2017.

Prof. G.V.R. Prasad has been nominated as Chairman, Expert Committee for DST Swarnajayanti Fellowship in Earth & Atmospheric Sciences.

Prof. P. Srivastava received DFG-INSA Fellowship to visit University of Tübingen, Germany during June 2017.

Prof. N. C. Pant was elected Deputy Chief Officer, Geosciences Group of the Scientific Committee on Antarctic Research (SCAR) (2017-2020).

Prof. N. C. Pant was nominated as Expert - Earth Science program selection for Indian Antarctic Scientific Expedition (2017-2018).

Prof. N.C. Pant has been nominated as Member (Earth Sciences), DST Expert Committee on INSPIRE Fellowship.

Dr. Shashank Shekhar was awarded Bharat Gaurav Award 2017 for meritorious services, outstanding performance and remarkable role under the aegis of India International Friendship Society, New Delhi.

Publications

Chattopadhyay, A., Chatterjee, A., Das, K., Sarkar, A. (2017). Neoproterozoic transpression and granite magmatism in the Gavilgarh-Tan Shear Zone, central India: Tectonic significance of U-Pb zircon and U-Th-total Pb monazite ages. *Journal of Asian Earth Sciences*, 147, 485-501.

Chakraborty, P. P., Saha, S. and Das, K. (2017). Record of continental to marine transition from the Mesoproterozoic Ampani basin, Central India: An exercise of process-based sedimentology in a structurally deformed basin, *Journal Asian Earth Science*, 143, 122-140.

Dhiman, H., Prasad, G.V.R. & Goswami, A. (2018). Parataxonomy and palaeobiogeographic significance of dinosaur eggshell fragments from the Upper Cretaceous strata of the Cauvery Basin, South India. *Historical Biology*. <https://doi.org/10.1080/08912963.2018.1450408>

Dhiman, H., Verma, V. & Prasad, G. V. R. (2017). Preliminary study of microstructure and taphonomy of dinosaur eggs and nests of the Upper Cretaceous Lameta Formation, near Padyala, Lower Narmada valley, India. In: *Advanced Micropaleontology*, Kathal, P.K., Nigam, R. & Talib, A. (Eds.), (pp. 211-232), New Delhi: India. Scientific Publishers.

Divyadarshini A., Singh V. (2017), Identifying active structure in the Chitwan Dun, Central Nepal, using longitudinal river profiles and SL index analysis. *Quaternary International*, 462, 176-193.

Gogoi, B., Saikia, A., Ahmad, M., Ahmad, T. (2017), Evaluation of magma mixing in the sub volcanic rocks of Ghansura Felsic Dome of Chotanagpur Granite Gneiss Complex, eastern India, *Mineralogy and Petrology*, doi: 10.1007/s00710-017-0540-0

Gogoi, B., Ashima Saikia, A., Ahmad, M. (2017). Titanite-centered ocellar texture: A petrological tool to unravel the mechanism enhancing magma mixing, *Periodico di Mineralogia*, 86, 245-273,

Joshi, S. K., Rai, S. P., Sinha, R., Gupta, S., Densmore, A. L., Rawat, Y. S., Shekhar, S. (2018). Tracing groundwater recharge sources in the northwestern Indian alluvial aquifer using water isotopes ($\delta^{18}\text{O}$, $\delta^2\text{H}$ and 3H). *Journal of Hydrology*, 559, 835-847.

Kapur, V. V., Das, D. P., Bajpai, S. & Prasad, G.V. R. (2017). First mammal of Gondwanan lineage in the early Eocene of India. *Comptes Rendus Palevol*, 16: 721-737. [Paris].

Kaushal, R. K., Singh, V., Mukul M., Jain, V. (2017). Identification of deformation variability and active structures using geomorphic markers in the Nahan salient, NW Himalaya, India. *Quaternary International*, 462, 194-210.

Kumar, S., Sarkar, A., Ali, S., & Shekhar, S. (2018). Groundwater System of National Capital Region Delhi, India. In *Groundwater of South Asia*, (pp. 131-152). Singapore: Springer.

Kumar, S., Sarkar, A., Thakur, S. K., Shekhar, S. (2017). Hydrogeological characterization of aquifer in palla flood plain of Delhi using integrated approach. *Journal of the Geological Society of India*, 90(4), 459-466.

Lal, R., Saini, H.S., Pant, N. C., Muftaba, S. A. I. (2018). Tectonics induced switching of provenance during the Late Quaternary aggradation of the Indus River Valley, Ladakh, India, *Geoscience Frontiers*, <https://doi.org/10.1016/j.gsf.2017.12.016>.

- Lourembam, R. S., Prasad, G. V. R., Grover, P. (2017). Ichthyofauna (Chondrichthyes, Osteichthyes) from the Upper Cretaceous intertrappean beds of Piplanarayanwar, Chhindwara District, Madhya Pradesh, India. <https://doi.org/10.1111/iar.12180>.
- Mishra, B. K., Bhattacharjee, D., Chattopadhyay, A., Prusty, G. (2018) Tectonic and lithologic control over landslide activity within the Larji–Kullu Tectonic Window in the Higher Himalayas of India. *Natural Hazards*, 92, 673-697.
- Mukherjee, I., Chattopadhyay, A., Deb M. (2018). Deformation of pyrite at varying metamorphic grades in sediment-hosted base metal sulphide deposits of Rajasthan, India. In: *Precambrian Crustal Evolution of India: Geological and Geodynamic Perspective*, Mandal, M.E.A. (Ed). Springer (SES series), pp. 221-237
- Pant, N. C. and Dasgupta, S. (Eds). (2017). *Crustal Evolution of India and Antarctica: The Supercontinent Connection*. London: Geological Society of London. [Special Publication No. 457, 2017. ISBN 978-1-78620-319-9 ISSN 0305-8719].
- Pant, N.C. and Dasgupta, S. (2017). An introduction to the crustal evolution of India and Antarctica: the supercontinent connection. In *Crustal Evolution of India and Antarctica: The Supercontinent Connection*. Pant, N.C. & Dasgupta, S. (Eds). London: Geological Society, [Special Publications, 457]. <https://doi.org/10.1144/SP457.14#2017>
- Pant, N. C., Ravindra, R., Srivastava, D., Thompson, L. (2018). The Himalayan cryosphere: Past and present variability of the 'third pole'. London: *Geological Society*. [Special Publications 462]. doi.org/10.1144/SP462.13
- Prasad, G. V. R., Pandey, D. K., Alberti, M., Fursich, F. T., Thakkar, M. G., Chauhan, G. D. (2017). Discovery of the first ichthyosaur from the Jurassic of India: Implications for Gondwanan palaeobiogeography. *PLoS-ONE* <https://doi.org/10.1371/journal.pone.0185851>.
- Prasad, G. V. R., Verma, V., Sahni, A., Lourembam, R. S., Priyadarshini, R. K. (2017). Elasmobranch fauna from the Cretaceous Bagh Group, Narmada valley, India: Palaeobiogeographic context. *Island Arc* <https://doi.org/10.1111/iar.12200> [Tokyo, Japan].
- Rathore, A. S., Grover, P., Verma, V., Lourembam, L. S. & Prasad, G.V. R. (2017). Late Cretaceous (Maastrichtian) non-marine ostracod fauna from Khar, a new intertrappean locality, Khargaon district, Madhya Pradesh, India. *Palaeontological Research*, 21(3), 1-15 [Sendai, Japan].
- Sarkar, A., Shekhar, S., & Rai, S. P. (2017). Assessment of the spatial and temporal hydrochemical facies variation in the flood plains of North-West Delhi using integrated approach. *Environmental Earth Sciences*, 76(19), 665.
- Saikia, A., Gogoi, B., Kaulina, T., Lialina, L., Bayanova, T., & Ahmad, M. (2017). Geochemical and U–Pb zircon age characterization of granites of the Bathani Volcano Sedimentary sequence, Chotanagpur Granite Gneiss Complex, eastern India: vestiges of the Nuna supercontinent in Central Indian Tectonic Zone. In *Crustal Evolution of India and Antarctica: The Supercontinent Connection*, Pant, N. C. & Dasgupta, S. (Eds). Geological Society, London, Special Publications, 457. <https://doi.org/10.1144/SP457.11>
- Shashank Shekhar. (2017). Aquifer Properties. Available on http://epgp.inflibnet.ac.in/view_f.php?category=601
- Shashank Shekhar. (2017). Darcy's law. Available on: http://epgp.inflibnet.ac.in/view_f.php?category=601
- Shashank Shekhar. (2017). Assessment of groundwater quality. Available on http://epgp.inflibnet.ac.in/view_f.php?category=601
- Shekhar, S., Kumar, S., Sinha, R., Gupta, S., Densmore, A., Rai, S. P. ...Mason, P. (2018). Efficient Conjunctive Use of Surface and Groundwater Can Prevent Seasonal Death of Non-Glacial Linked Rivers in Groundwater Stressed Areas. In *Clean and Sustainable Groundwater in India* (pp. 117-124). Singapore: Springer.
- Soni, V., Shekhar, S., Rao, S. V. N., Kumar, S., Singh, D. (2018). A new solution for city water: quality drinking water from the river floodplains. *Current Science*, 114(3), 452 - 461.
- Srivastava P., Singh V. (2017). Quaternary of Himalaya. *Geomorphology*, 284, 1-4
- Srivastava, P., Sinha, R., Deep, V., Singh, A., Upreti, N. (2018). Micromorphology and sequence stratigraphy of the interfluvial paleosols from Ganga Plains: A record of alluvial cyclicity and paleoclimate during the late Quaternary. *Journal of Sedimentary Research*, 88, 1-24. [SEPM publication].

Thakre, D. Samant, B., Mohabey, D.M., Sangode, S., Srivastava, P., Kapgate, D.K., Mahajan, R., Upreti, N., Manchester, S.R. (2017). A new insight into age and environments of intertrappean beds of Mohgaon Kalan, Chhindwara District, Madhya Pradesh using palynology, megaflora, magnetostratigraphy and clay mineralogy. *Current Science*, 112, 2193-2197.

Research Projects

Prof. N.C. Pant: DST-SERB, Completed June, 2017, "Finger printing of glacial melt water in the Ganga basin- Implications for modeling of Hydrological cycle in the Himalayan river system". Rs. 25,02,680.

Prof. N.C. Pant: MOES, 2017-2020, "A 100 Ka Glaciations-deglaciation history of Ladakh: its comparison with Sutluj valley and signatures in the alluvial plains of NW India". Rs. 84,82,000.

Prof. Anupam Chattopadhyay: DST-SERB, 2015-2018, "GIS based digital mapping of natural deformational structures: Development of methodology and application to structurally controlled ore deposits". Rs. 37.06 Lakhs.

Prof. G.V.R. Prasad: SERB - J.C. Bose National Fellowship, 2015-2020, Rs. 95,00,000/-

Prof. P.P. Chakarborty, UGC, "Paleo-proterozoic sedimentation in north Indian craton: Evidence from the basal part of Gwalior and Bijawar basin" Rs. 12.33 Lakhs

Prof. P. Srivastava: DST-SERB, 2016-2019. "Paleogene fossil soils of the NW Himalayan Foreland Basin: Implications for the oldest tropical weathering and monsoonal conditions over the Indian subcontinent." Rs. 27,66,800.

Seminars/Conference Presentations

Chattopadhyay, A., Invited Lecture, '*Fault Reactivation, Seismicity and Intracontinental Deformation*' at the 1st International Symposium of Hiroshima Institute of Plate Convergence Research (HiPeR), Hiroshima University, Japan, January 2018

Jain, V., Shekhar, S., Bawa, N., *Challenges in the geomorphic management of a river system in response to urbanisation expansion around a mega city: Case study from Yamuna River around Delhi NCR.*, International Symposium on Sustainable Urban Environment (ISSUE 2017). Tezpur University, Assam, 23-24 June, 2017.

Shekhar, S., Invited Lecture, "*Water resources management of Delhi and the need for innovative solutions*", National Conference on Recent Advances In Environmental Sciences, Amrita Devi Bishnoi Seminar Hall, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India, 22 March 2018.

Shekhar, S., Invited Lecture, "*Connecting People to Nature-Way Forward*" on the occasion of World Environment Day, Centre for Advanced Water Technology and Management, Manav Rachna International University, Faridabad, Haryana, India, 5 June 2017.

Shekhar, S., Invited Lecture, "*Regeneration of Catchments-Watershed Management: New & Traditional Practices*", Symposium on Water: Issues, Research and Solutions, organised by Manav Rachna Int. Institute of Research & Studies in association with University of The West of England (UWE), Bristol, UK, Manav Rachna Int. Institute of Research & Studies, Faridabad, Haryana, 15 February, 2018.

Kant, A., Jha, E., Shekhar, S., Tewari, D., "*Groundwater Resources Management in Markanda Sub-Basin of Haryana: Past, Present and Future prospects*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Sarkar, A., Shekhar, S., Pandey, V., "*Spatial distribution of Nickel in water: assessment of the unconventional contaminant in upper Yamuna basin*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Shekhar, S., Kumar, S., Ali, S., "*Assessment of temporal variation in dynamic groundwater resources of Haryana sub-region, NCR Delhi*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Chakraborty, N.P., Jain, V., Shekhar, S., “*Incorporation of geomorphic criteria to define environmental flow in a Himalayan river, Yamuna River system, India*”. 9th International Conference on Geomorphology, Vigyan Bhawan, New Delhi, India; 6 -11 November 2017.

Sarkar, A., and Shekhar, S., “*Status of lead contamination in parts of upper Yamuna basin and its linkage with other contaminants*”, International Seminar on Water Pollution and Health, organised by Department of Civil Engineering, Jamia Millia Islamia, New Delhi, India; 27-28 July 2017.

Other Inter-Institutional Collaboration

Prof. P.P. Chakraborty: Research collaboration with IIT Kharagpur, Jadavpur University Kolkata, Pondicherry University, IIT Mumbai. Prof. A. Sarkar, Prof. S. Banerjee, Prof. S. Balakrishnan (DST, IIT)

Prof. P.P. Chakraborty: National Science Museum, Hyakunin-cho, Shinjuku-ku, Tokyo, Japan Hiroshima University, Japan. Dr. K. Das, Dr. Fumito Shiraishi (JSPS)

Students under Exchange Programme

Ms. Ekta Aggarwal of M.Sc. (Final) visited University of Oklahoma, USA under the prestigious S.N.Bose Scholar Programme

Placement Details (Number and percentage of students placed)

Number and percentage of students placed: MECL – 1, ONGC – 2, Coal India Ltd. – 3, CGWB – 1.

Extension and Outreach Activities

Earth Science week was celebrated from October 9 -13, 2017

International Fossil Day was celebrated on October 16, 2017

The Department facilitates visits to Departmental Museum from students and teachers of schools, colleges and university departments on a regular basis

Organised Yamuna River Walk in collaboration with DUAL Geology Association and Visit to Palla Pumping Station monitored

Number of M.Phil/Ph.D Degrees Awarded: Ph.D – 13; M.Phil. – 5

Faculty Strength

Permanent : 13

DST-Inspire Faculty : 01

UGC Faculty Recharge Programme: Assistant Professor – 01

PHYSICS AND ASTROPHYSICS

Major activities and Achievements

The Department of Physics maintained its position in QS rankings as the topmost university physics department in the country. With nearly 550 MSc students, over 150 PhD students and ~ 50 faculty members, the department is one of the largest physics departments in the country. It sustained its high quality research as evidenced by more than 300 research publications by faculty and students in international refereed journals during the year. Faculty members received several national and international grants and participated in several collaborative projects across the globe. The department hosted various eminent researchers from all over the world, who gave inspiring lectures to motivate our young students. The department conducted an extensive exercise to revise its M.Sc. curriculum providing a wide choice of electives, including inter-disciplinary subjects to its students. An exclusive departmental portal, displaying regular updates on its academic and other activities, successfully went online this year.

Honours and Distinctions

Prof. H.P. Singh was appointed Member of Indo-Japan Science Council, Department of Science and Technology, Government of India.

Prof. Vinay Gupta was awarded ISCAS Silver Medal - 2017

Prof. Vinay Gupta was appointed as Member, Think-Tank, "Digital India - from Education to Jobs"

Publications

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Zank, G. P., Adhikari, L., Hunana, P., Shiota, D., Bruno, R., Telloni, D. & Avinash, K. (2017). The Theory of Nearly Incompressible Magnetohydrodynamic Turbulence: Homogeneous Description. *Journal of Physics: Conference Series*, 900, 12023.

Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Professor Sanjay Jain, Editorial Board Member, Theory in Biosciences (Springer)

Professor Sanjay Jain, Editorial Board Member, Artificial Life (MIT Press)

Professor Vinay Gupta, Member (2012-18), International Advisory Board, Journal "Energy Harvesting & Systems", De Gruyter, USA

Dr. Awadhesh Prasad, Editor, Chaos, Solitons and Fractals (Elsevier Science)

Dr. Awadhesh Prasad, Editorial Board Member, Pramana - J. Physics (Indian Academy of Science)

Research Projects

Dr. Ajit K. Mahapatro: SSPL-DRDO, 2017-2019, "Investigation of Thermoelectric (TE) Properties of Calcium Cobalt Oxide (Ca₃Co₄O₉) and Graphene Derivatives (as nano-inclusions) for TE Generator Applications." Rs. 9.83 Lakhs

Dr. Nivedita Deo: DST-SERB, "Functional Domains and Site Correlation Networks in Evolving Protein Families." Rs. 23.84 Lakhs

Dr. Sumalay Roy: DST-SERB, 2017-2019, "Tailoring of magnetic and other functional properties of thin film nanostructures using low energy ion beams." Rs. 60 Lakhs

Prof. H.P. Singh: DST (Indo-US joint network), "Theoretical Analysis of Variable Star Data in the era of Large Surveys" Rs. 45 Lakhs

Prof. Vinay Gupta: DRDO, 2018-2019, "Optimization of TiO_x film and patterning of the polymer (PI-2610) as sacrificial layer for pixel fabrication" Rs. 22.19 Lakhs

Prof. Vinay Gupta: DRDO, 2017-2019, "Feasibility study for fabrication of Air bridges by gold electroplating". Rs. 9.42 Lakhs

Patents Filed/Granted

Vinay Gupta, Monika Tomar, Anjali Sharma, Avneet Singh; Indian Patent, Application No.: 20181106329 (provisionally filed in Feb 2018); Electric field assisted low power consuming conducto-metric gas sensor.

Vinay Gupta, Monika Tomar, Anjali Sharma, Avneet Singh, Parivesh Chugh, Jaivinder Singh, Bharthy Subramanian; Indian Patent, Application No.: 201711011941; A Sensitive, Selective and Rapid Fuel Gas Sensor.

Ashok Kumar, Hitesh Borkar, Vaibhav Rao, Monika Tomar, Vinay Gupta (US Patent App. 15/406, 236, 2017/7/20); US Patent (20170206952 A1, 2017/1/13); Multi-States Nonvolatile Opto-Ferroelectric Memory Material and Process for preparing the same thereof.

Seminars Organised

Total number: 35

Prof. Mir Faizal, University of British Columbia & University of Lethbridge, Canada; Title: Short Distance Modification of Quantum Systems; May 5, 2017

Prof. Samir D. Mathur, Ohio State University, U.S.A.; Title: Spacetime has a thickness!; July 17, 2017

Prof. Nigel Lockyer, Director, Fermi National Accelerator Laboratory, U.S.A.; Title: Particle Physics: Science without Borders: Neutrinos Going Global; October 11, 2017

Prof. Shiv N. Khanna, Virginia Commonwealth University, Richmond; Title: Superatoms: Novel Nanoscale Materials Using New Building Blocks; November 3, 2017

Prof. C. K. Chan, Institute of Physics, Academia Sinica, Taipei, Taiwan; Title: Anticipative Dynamics of a Retina; November 7, 2017

Prof. Frank H. Shu, University of California at Berkeley and Sandiego; Title: Formation of Sunlike Stars and Planetary Systems; December 20, 2017

Prof. Vijay Kumar Krishnamurthy, International Centre for Theoretical Sciences, Bengaluru; Title: Morphogenetic patterns: biochemical signalling, mechanics and geometry; February 15, 2018

Prof. Yuji Okawa, University of Tokyo, Komaba; Title: Complete action for open superstring field theory; February 16, 2018

Dr. Anand K. Bhatia, Heliophysics Science Division, NASA /Goddard Space Flight Center, USA; Title: Hybrid Theory of scattering and its applications; February 21, 2018

Prof. Edward Thomas, Jr., Auburn University, USA; Title: Using dusty plasmas to study all four states of matter; March 12, 2018

Conferences Organised

Professor Nivedita Deo (Convener), Joint International Conference Econophys - 2017 & Asia Pacific Econophysics Conference (APEC) – 2017; November 15-18, 2017. Funding: Jawaharlal Nehru University, University of Delhi, SINP and Centrale supelec.

Professor Vinay Gupta (Conference Chair), International Symposium on Integrated Functionalities (ISIF-2017), December 10-14 2017, Funding Agency: DST, DRDO.

Visitors Programme - 2018, March 26 2018, Funding: Department of Physics & Astrophysics, University of Delhi

Seminar/Conference Presentations

Gupta, V., Invited Lecture, “*Energy harvesting using multifunctional thin films*”, 10th National Conference on Solid State Chemistry and Allied Areas, ISCAS, Delhi Technological University, 1 - 3 July 2017.

Gupta, V., Invited Lecture, 14th International Meeting on Ferroelectrics (IMF-2017), San Antonio, USA, 4 - 8 September 2017.

Gupta, V., Plenary Lecture, International Conference on Nanoscience and Nanotechnology (ICNN- 2017), BBAU, Lucknow, India, 22 – 24 September 2017.

Gupta, V., Invited Lecture, 11th Symposium on Frontier in Biomedical research, Dr. B.R. Ambedkar Center for Biomedical Research, University Conference Hall, University of Delhi, 19-21 February 2018.

Gupta, V., Invited Lecture, International workshop on soft Materials and Devices, Central University of Jammu, Jammu, 21-25 March 2018.

Jain, S., Invited Lecture, “*Hierarchy, feedback and modularity in bacterial genetic-metabolic regulatory networks*”, Symposium on Network Biology, Indian Institute of Information Technology, Delhi, October 28, 2017.

Jain, S., Invited Lecture, “*Network anatomy of innovation and catastrophe in an evolutionary model*”, Workshop on Adaptive Co-evolving Networks and Catastrophes, Complexity Science Hub, Vienna, Austria, November 2-3, 2017.

Jain, S., Invited Lecture, “*Network anatomy of innovation: Growth and creative destruction in an evolutionary model*”, International Workshop on Economy as a Complex System IV: Can Economics be a Physical Science?, Institute of Mathematical Sciences, Chennai, November 13-14, 2017.

Jain, S., Invited Lecture, “*Interactions between two intracellular networks reveal functional modules in the cell*”, National Conference on Cross-Disciplinary Applications of Complex Networks, Department of Mathematics, Shiv Nadar University, 22-24 March, 2018.

Kumar, P.S., Invited Lecture, “*The Magic of Small Things: A Journey with Surface Science and Spectroscopy*”, National Seminar on Contemporary Physics, Madura College, Madurai, Tamil Nadu, INDIA, December 15, 2017.

Mandal, S., Invited Lecture, “*Measurement of absolute fusion cross section at and below Barrier energies*”, Thematic workshop on underground accelerator based nuclear astrophysics facility, UGC-DAE CSR, Kolkata Centre, Kolkata, 17 - 18 May, 2017.

Mandal, S., Invited Lecture, “*Fabrication and testing of a transient field based g-factor set-up for structure studies*”, Workshop on INGA experiments, IUAC, New Delhi, 14 -15 September 2017.

Mandal, S., Invited Lecture, “*Instrumentation for Scanner Systems : Gamma Ray Tracking Array*”, Present and Future of Nuclear Instrumentation in India, December 19, 2017, IIT Ropar.

Roy, S., Invited Lecture, Meeting on “Emerging trends in physics of surfaces, interfaces and nanostructures”, jointly organised by Indian Association for the Cultivation of Science, Kolkata, India and S. N. Bose National Center for Basic Sciences, Kolkata, India, 24-25 November, 2017.

National / International MoUs Signed

University of Delhi signed a 5-year MoU (2017-22) with State University of New York, Oswego, USA and Marburg University, Germany on the request of the Department for cooperation in the area of Astronomy & Astrophysics.

Other Inter-Institutional Collaborations

International Collaborations

Prof. H. P. Singh: nodal PI in an Indo-US joint networked Center “Theoretical Analysis of Variable Star Data in the era of Large Surveys” sanctioned in March 2018 by the Indo-US Science and Technology Forum with. The other partners are the State University of New York at Oswego, Yale University and IUCAA.

Prof. H. P. Singh: Indo-US Project with Nodal Institute as Delhi University and SUNY (Oswego), Texas A&M University, University of Florida (Gainesville) and IUCAA (Pune) as partner Institutes.

Prof. B.C. Choudhary, Prof. K. Ranjan, Dr. Ashok Kumar, Dr. A. Bhardwaj, Dr. M. Naimuddin: Country-wide collaboration on Compact Muon Solenoid (CMS) experiment in High Energy physics with National (TIFR, SINP, BARC, etc.) and International (CERN, Fermilab, DESY etc.) institutions.

Prof. Vinay Gupta: Prof. A.P. Freundorfer and Prof. Michael Sayer, Queen`s University, Kingston, Canada

Prof. Samit Mandal: Involved with the following Inter-institutional and multi-country collaborations: PRESPEC collaboration: GSI, Germany; AGATA collaboration: European collaboration; FAIR collaboration: GSI, Germany

National Collaborations

INO Collaboration: India, Inter-institutional collaboration (HEP group)

Prof. Samit Mandal and Dr. Suresh Kumar: INGA collaboration: Inter-institutional collaboration

Prof. Avinash Khare: Tata Institute of Fundamental Research, Mumbai, Institute for Plasma Research, Gandhinagar.

Prof. Sevi Murugavel: Collaborative work between DU and IGCAR.

Prof. Vinay Gupta: with Prof. Ratnamala Chatterjee (IIT Delhi); Dr. A. Kapoor, Solid State Physics Laboratory (DRDO), Delhi; Dr. Dinakar Kanjilal, IUAC, Delhi; Dr. Govind Gupta and Dr. Ashok Kumar, National Physical Laboratory, Delhi

Students under Exchange Programme

Mr. Manoj Kumar Vyas, Research Student of Professor Amita Chandra, was invited for a research visit to Universitat Paderborn under the Research Group Linhage Programme funded by Alexander von Humboldt Foundation for the period June 30 - July 28, 2017.

Extension and Outreach Activities

Prof. Sanjay Jain mentored high school students at DST-INSPIRE Internship Camp, Punjab University, Chandigarh, and gave an invited lecture on “How did life originate?”

Prof. H. P. Singh taught a course in Introductory Astronomy for M.Sc. (Physics) students at the University of Marburg, Germany in May-July 2017.

Number of M.Phil. / Ph.D. Degrees Awarded: Ph.D. – 10;

Faculty Strength

Permanent : 42

UGC-FRP : 02
DST-INSPIRE : 05
Emeritus : 02

Other Significant Information

The Department offers the Annual Raman Ramkumar memorial award in computational physics for meritorious MSc students.

The Department conducts Summer Programme for undergraduate students under EWS category to train and inspire them for MSc entrance examination in physics.

ZOOLOGY

Major activities and achievements

The Department of Zoology is one of the premier research-intensive Departments in the country. Research is conducted in diverse areas ranging from microbial systems to humans. Faculty members in the last one-year have published approximately 62 research papers in peer reviewed journals of high impact. They have also presented their findings in various National and International conferences. Many of them have been conferred with prestigious honors and have received substantial funding from various National and International funding agencies. The Department of Zoology has also been the recipient of DST-FIST, UGC-SAP/CAS and DU-DST PURSE funding grants. The Department imparts M.Sc. teaching and training in advanced areas of Zoology to approximately 180 students. In addition, eight M.Phil. and 26 Ph.D. degrees have been awarded to students in the last one year.

Honours/Distinctions

Prof. Rup Lal, Ambassador of ISME (International Society for Microbial Ecology), The Netherlands (March 2017 onwards)

Prof. Rup Lal, Endeavour Executive Fellowship Award by Government of Australia, 2018

Prof. Rup Lal, Kuldeep Dhatwalia Excellence Award - 2017 from Chaman Seva Sansthan, Himachal Pradesh for exemplary work, achievements, commitment and contributions in the development of nation.

Prof. Rina Chakrabarti, Member, Task Force on "Aquaculture and Marine Biotechnology", Department of Biotechnology since October 2017.

Prof. D.K. Singh, Member - Training, Research and Academic Council (TRAC) of Wildlife Institute of India, with effect from 10.5.2018 for three years.

Prof. D.K. Singh, Member, Wildlife Institute of India - Society for three years with effect from September 25th, 2017

Prof. Shibnath Mazumder, visited Rajiv Gandhi Central University as INSA-Teacher Fellow March 5- 8, 2018.

Prof. R. K. Seth, Advisor, Ministry of Environment and Forests, Govt. of India

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Annamalai University, Tamil Nadu

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Punjabi University, Patiala

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Panjab University, Chandigarh

Prof. R. K. Seth, Chair, technical session in "Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques", (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria (22-26 May 2017).

Prof. R. K. Seth, Chair, technical session in II FAO/IAEA Research Co-ordination Meeting on CRP, "Improved Field Performance of Sterile Male Lepidoptera to Ensure Success in SIT Programmes", Palmerston North, New Zealand (March 12-16, 2018).

Prof. Y. Singh, Appaji Rao Best Mentor Award from IISc Alumni Association in 2017.

Prof. Alok C. Bharti, Recipient of international travel grant from Indian National Science Academy, New Delhi to visit Chinese Academy of Science, China under Bilateral Exchange programme 2018.

Publications

Agarawal, N., Mishra, I., Rani, S. and Kumar, V. (2018). Temporal expression of clock genes in central and peripheral tissues of spotted munia under Varying Light Conditions: Evidence for Circadian Regulation of Daily Physiology in a Non-photoperiodic Circannual Songbird species. *Chronobiology International*, Doi: 10.1080/07420528.2017.1422742

Agarawal, N., Mishra, I., Komal, R., Rani, S., and Kumar, V. (2017). Circannual testis and moult cycles persist under photoperiods that disrupt circadian activity and clock gene cycles in spotted munia. *Journal of Experimental Biology*, 220, 4162-4168.

Bharti, A. C. and Aggarwal, B. B. (Eds.). (2017). *Role of Nutraceuticals in Chemoresistance to Cancer*, USA: Elsevier.

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Chakrabarti, R. (2017). Culture of zooplankton and aquatic macrophytes as non-conventional livelihood. In Dhanze, R., Ninawe, A. S. and Dhanze, J. R. (Eds.). *Aquaculture for Nutritional and Livelihood Security*, (pp. 189-203). New Delhi, India: Narendra Publishing House. [ISBN 978-93-86110-74-9].

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Gautam, M., Bhattacharya, I., Rai, U. and Majumdar, S. S. (2018). Hormone induced differential transcriptome analysis of Sertoli cells during postnatal maturation of rat testes. *PLoS-ONE*, 13(1): e0191201.

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Tripathy, M., Priyam M., and Rai, U. (2017). Repertoire of bone morphogenetic proteins and growth/differentiation factors in ovary of the Indian wall lizard (*Hemidactylusflaviviridis*) with emphasis on differential expression and gonadotropic regulation of *bmp15* and *gdf9*. *General and Comparative Endocrinology*, 253, 13-24.

Tyagi, A., Vishnoi, K., Kaur, H., Srivastava, Y., Roy, B.G., Das, B.C., and Bharti, A. C. (2017). Cervical cancer stem cells manifest radioresistance: Association with upregulated AP-1 activity. *Sci Rep.*, 7, 4781.

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Yadav, A., Kumar, R., Tiwari, J., Kumar, V. and Rani, S. (2017). Sleep in birds: Lying on the continuum of activity and rest. *Biological Rhythm Research*, 48, 805-814. Doi.org/10.1080/09291016.2017.1346850.

Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Prof. Rup Lal, Editor, mSystems, published by American Society for Microbiology (ASM), USA.

Prof. Rup Lal, Editor, Indian Journal of Microbiology (INJM).

Prof. Rup Lal, Member, Editorial Board of Journal of Bioscience & Bioengineering (JBB); Environmental Microbiology (EM); Environmental Microbiology Reports (EMIR); Microbial Biotechnology Journal BMC Biotechnology; OA Biotechnology.

Prof. R. Seth, Editorial Advisory Board member; Indian Journal of Entomology; J. Nuclear Agric. Biol.

Prof. Y. Singh, Editor, Indian Journal of Microbiology, Springer Press.

Prof. Y. Singh, Member, Editorial Board, Journal of Biological Chemistry (JBC).

Prof. Y Singh, Editorial Advisory Board member, Recent Patents on Anti-infective Drug Discovery (Bentham Science Publishers).

Prof. M. M. Chaturvedi, Member, Editorial Board, Journal of Oncolytic Virology; Indian J. of Experimental Biology (IJEB).

Prof. Vinod Kumar, Member, Editorial Board, Current Science.

Research Projects

Prof. Rina Chakrabarti (PI): DBT, 2015-2019, “Development of Pelleted Diet for *Labeorohita* and *Clarias batrachus* Using *Achyranthes aspera* and Evaluation of Its Immunostimulatory Properties in Pond Culture System”; In collaboration: Central Institute of Fisheries Education (CIFE), Rohtak, Haryana and Delhi Technological University, Delhi. Rs. 90 Lakhs.

Prof. Alok C. Bharti (PI): DBT, 2016-2018, “Investigation of Host Transcription Factors that Predispose Head and Neck Cancers to HPV16 infection” Rs. 25 Lakhs

Prof. Rina Chakrabarti (PI): DBT (International co-operation), 2016-2019. “Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients”. India: Goa University, Kerala University of Fisheries, Delhi Technological University; UK: University of Stirling, Scottish Association for Marine Science; Africa: Sokoine University of Agriculture, Aquacultural Association of Kenya, State Department of Fisheries. Rs. 120 Lakhs.

Prof. R. K. Seth (PI): International Atomic Energy Agency (IAEA) Vienna, 2016-2021, “Quality improvement of mass reared moths and assessment of competitiveness of radio-sterilized lepidopteran pest, *Spodopteralitura* and its F₁ progeny in field simulated cages for pest suppression through ‘Inherited sterility technique’ under FAO/IAEA CRP (D41026) on “Improved Field Performance of Sterile Male *Lepidoptera* to Ensure Success in SIT Programmes” (IAEA Contract No. 20565/RB). € 40,000.

Prof. Umesh Rai (Co-PI): DBT, 2017-2019, “Understanding signaling mechanism of inflammation in teleost *Channa punctatus*”, Rs. 35.84 Lakhs

Prof. Umesh Rai (Co-PI): DST-SERB, 2017-2019, “Understanding the mechanism of onset of reproductive activity in seasonally breeding reptile *Hemidactylus flaviviridis*: an emphasis on the role of the kisspeptin system” Rs. 42.25 Lakhs

Prof. Rup Lal (PI) & Dr. R. K. Negi (Co-PI): AMAAS and NBAIM, 2017-2020, “To study the microbial diversity associated with fish gut by using culture dependent and independent approaches”, Rs. 19.5 Lakhs

Prof. Rup Lal: DBT, 2017-2020, “Exploring diversity, functional dynamics and biotechnological applications of bacterial communities inhabiting hot water spring atop the Himalayan ranges at Manikaran, Himachal Pradesh, India.” Rs. 52.2 Lakhs.

Prof. D.K. Singh: IAEA/FAO, 2017-2021, “Field-Deployable Analytical Methods to Assess the Authenticity, Safety and Quality of Food in India”, € 30,000.

Prof. Rup Lal (PI) Dr. R. K. Negi (Co-PI): DBT, 2018-2020, “Remediation and reclamation of HCH dumpsite by using microbial bioremediation technology, Rs. 113 Lakhs

Prof. Rina Chakrabarti (PI): DBT, 2018-2021, “Dissemination and Demonstration of Fish Culture Technology among Women Self Help Groups in NCR Region of Delhi as a Self Employment Activity”, In collaboration with Delhi Technological University, Delhi. Rs. 60 Lakhs.

Prof. Alok C. Bharti (PI): Indian Council of Medical Research (ICMR), 2018-2021, “Investigation of molecular mechanism(s) of STAT3-mediated regulation of HPV infection and cervical carcinogenesis” Rs. 39.6 Lakhs

Prof. D.K. Singh (PI): NASF (ICAR), 2018-2021, “Bioremediation of chemical contaminants and their complexes present in drainage waste water with high dynamic flux used for irrigation in urban and peri-urban agriculture”, Lead Centre - Delhi University. Rs. 95.46 Lakhs.

Seminars Organised

Organised “Women Health and Cancer Awareness Workshop” with AOGIN-India at Miranda House, University of Delhi; April 7, 2017.

Organised Pre-conference workshop on “Hands on to Computational Biology for (Meta)Genomic analysis” under the aegis of International Society for Microbial Ecology (ISME), Department of Zoology University

of Delhi and Indian Network for Soil Contamination Research (INSCR) at Department of Zoology, University of Delhi; September 26, 2017.

Organised AMI-INSCR Workshop on “Beginner’s Computational Tools for Genome and Metagenome Analysis” under the aegis of Association of Microbiologists of India (AMI) and Indian Network for Soil Contamination Research (INSCR) at Department of Zoology, University of Delhi; October 13, 2017.

Organised a workshop on “Hands on to Computational Biology for (Meta)Genomics Analysis” jointly organised under the aegis of Department of Environmental Studies and Department of Zoology at Department of Zoology University of Delhi; November 22, 2017.

Organised ISME-AMI-INSCR Pre-conference workshop -2017 on “Hands on Computational Biology for (Meta) Genomics Analysis” under the aegis of Association of Microbiologists of India (AMI), Indian Network for Soil Contamination Research (INSCR), and International Society for Microbial Ecology (ISME) at Baba Sahib Bhimrao Ambedkar University, Lucknow; November 16, 2017.

Organised ISME Ambassador Meet and Workshop -2018 on “Hands on to Computational Biology for (Meta) Genomics Analysis” under the aegis of Kalinga Institute of Industrial Technology and International Society for Microbial Ecology (ISME) at KIIT, Bhubaneswar; May 3, 2018.

Conference/workshop organised

Prof. Alok C. Bharti: Workshop on “Cervical Cytology and HPV Testing” during AOGIN-India Annual Conference, at Hotel Clarks Awadh; September 8, 2017.

Prof. Rup Lal: INSCR International Conference 2017 (IIC-2017) on “Role of Microbe-Plant-Animal Interactions in Human Health” under the aegis of Department of Zoology University of Delhi, Indian Network for Soil Contamination Research (INSCR) and Amity University, Noida at Department of Zoology, University of Delhi; September 26 - 28, 2017.

Prof. Rina Chakrabarti: Workshop on “Develop a Best Practice Manual on Field Performance of Sterile Male Moths”. Joint FAO/IAEA Programme of Nuclear Techniques in Food and Agriculture, Palmerston North, New Zealand; March 17, 2018.

Seminar/conference presentations

Bakshi, A., and Rai, U., “*Sexual dimorphism in expression of leptin in Channapunctatus*”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29th – December 1st, 2017. (Won 2nd prize for oral presentation)

Bharti, A.C., “*Targeting Radioresistance in Cervical Cancer by Curcumin through Combating AP-1 Activity in Cancer Stem Cells*”, 2nd International Conference on Nutraceuticals and Chronic Diseases, organised by Indian Institute of Technology, Guwahati at Goa; 02nd September, 2017.

Bharti, A.C., “*Molecular Methods of HPV Testing in Cervical Scrapes: Options and Opportunities*”, AOGIN-India Workshop on “Cervical Cytology and HPV Testing”, AOGIN-India Annual Conference, Lucknow; 08th September, 2017.

Bharti, A.C., “*HPV infection, Cervical Cytology & Cervical Carcinogenesis: Basics*”, AOGIN-India Workshop on “Cervical Cytology and HPV Testing”, AOGIN-India Annual Conference, Lucknow; 08th September, 2017.

Bharti, A.C., Guest Faculty lecture, “*Stem Cells in Regenerative Medicine and Cancer Research*”, Miranda House, University of Delhi, Delhi; 05th October, 2017.

Bharti, A.C., Invited lecture, “*Animal Tissue Culture: Contributions to Modern/Medical Science*”, National Workshop on “Animal Cell Culture: Techniques and Applications”, Guru Ghasidas University, Bilaspur; 18th – 24th January, 2018.

Bharti, A.C., “*Cervical Cancer – A Preventable Lifestyle Disease but NOT YET Prevented: Molecular Targets as Avenues for Potential Therapeutics*”, National Conference on Diseases and Drugs: Emerging Trends and Challenges" (NCDD-2018), Plenary Session 2: Physiological and Molecular Mechanism of Lifestyle Diseases, Zakir Hussain Delhi College, University of Delhi, Delhi, January 31st to February 1st, 2018.

Bharti, A.C., Guest Faculty lecture, “Antibodies - Structure and Type, Nature of Antigens, Antigen-Antibody based Applications- Basic and Advanced”, School of Biotechnology, Banaras Hindu University, Varanasi. 10-12th February, 2018.

Bharti, A.C., “Targeting Radioresistance in Cervical Cancer by Curcumin through Combating AP-1 Activity in Cancer Stem Cells”, Trends in Biochemical and Biomedical Research: Advances and Challenges (TBRR-2018), Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, INDIA, 13-15th February, 2018.

Bharti, A.C., Invited Lecture on “Animal Cell Culture: Cell Culture Based Assays”, DBT Workshop on “Recent techniques in DNA and Protein analysis” held at SOS in Biotechnology, Jiwaji University, Gwalior; 3rd March, 2018.

Bharti, A.C., “Role of Viral Oncoproteins in Maintenance of Cervical Cancer Stem Cells and Chemoresistance”, Regenerative Medicines and Chronic Degenerative Diseases and Role of Omics and Biomarkers in Health (3.0 Edition), Department of Zoology, University of Kerala, Thiruvananthapuram, 10th March, 2018.

Chatterjee, M., and Agrawal, N., “Phosphorylation of serine residues of mutant huntingtin contributes to metabolic function in Huntington’s disease in *Drosophila*”, 58th Annual *Drosophila* Research Conference, San Diego, CA, USA, March 29th - April 2nd, 2017.

Chakrabarti, R., “Evaluation of immunostimulation properties of *Achyranthes aspera* supplemented diets on *Labeo rohita* in pond culture system” Asian Pacific - Aquaculture 2017 organised by World Aquaculture Society (WAS, USA), Kuala Lumpur, Malaysia; 24th – 27th July, 2017.

Chakrabarti, R., “Embryonic and larval development of snow trout *Schizothorax richardsonii*”, Fish and Shellfish Larviculture Symposium “Larvi 2017”, Artemia Reference Centre, Ghent University, Ghent, Belgium; 4th – 7th September, 2017.

Choubey, P., Rana, M., Bajaj, D., and Basu-Modak, S., “Heme metabolizing enzymes in the developing mouse embryo”, International Congress of Cell Biology, Hyderabad; 27th - 31st January, 2018.

Haveri, R.V., Hanchinal, S.G., Chandrashekhar, Zarin, M., Khan, Z., Patil, B.V., Yelshetty, S., and Seth, R.K., “Optimization of semi-synthetic diet for quality mass rearing of the legume pod borer, *Maruca vitrata* (Fabr.) (Lepidoptera: Crambidae) towards employment of ‘Inherited Sterility’ technique for the pest suppression”, Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22nd – 26th May, 2017.

Kumari, B., Bakshi, A., and Rai, U., “Sex-related and tissue-specific variation in expression of kisspeptin and its receptors in spotted snakehead”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29th – December 1st, 2017.

Kumari, R., Rawat, K., and Shrivastava, A., “Melatonin attenuates parameters involved in cancer progression including angiogenesis: a study in murine model”, National Conference on "Diseases and Drugs: Emerging Trends and Challenges" Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31st -February 1st, 2018.

Lakra, P., Aditi, K., and Agrawal, N., “Emerging role of mutant huntingtin in metabolic activity in *Drosophila*”, 25th European *Drosophila* Research Conference, London, UK; 22nd – 25th September, 2017.

Lakra, P., Aditi, K., and Agrawal, N., “Detrimental effects of mutant huntingtin beyond neurons: Alteration of metabolic activity in *Drosophila*”, 58th Annual *Drosophila* Research Conference, San Diego, CA, USA; March 29- April 2, 2017.

Lal, R., Expert Lecture, “Biotechnology: Introduction, Advances and Career Options”, National Conference on “Advances in Basic and Applied Sciences (ABAS-2017)”, School of Basic and Applied Science, Career Point University, Hamirpur; 7th April, 2017.

Lal, R., Guest Lecture, “Combating antibiotic resistance against Tuberculosis”, in one-day ASM-CME on “Antibiotic Resistance: Renewed Fears” at Multipurpose Hall, India International Centre, New Delhi; 16th April, 2017.

Lal, R., “Role of Computational Biology in Microbiology”, ISME Ambassador Meet and Workshop - 2017 on “Hands on to Computational Biology for (Meta) Genomics Analysis” at KIIT, Bhubaneswar; 03 May, 2017.

Lal, R., Chief Guest Address, “Unlimited World of Microbes with Limitless Applications” in Add-on Course on "Biotechcellence: Insights and Innovations", Gargi College, University of Delhi; 23 August, 2017.

Lal, R., “*New twist in microbiology in the light of metagenomics: Vision for Future*” and “*A journey from bacterial polyphasic approach to genomics and metagenomics*”, MSM Metagenome informatics workshop, Malaysian Society for Microbiology, School of Biosciences and Biotechnology, University Kebangsaan, Malaysia; 13 – 16 September, 2017.

Lal, R., “*Can we do biology without microbiology*”, Miranda House College, University of Delhi; 18th September, 2017.

Lal, R., Plenary Lecture, “*Metagenomic analysis of stressed bacteria and genes from the hexachlorocyclohexane (HCH) dumpsite and Manikaran hot springs*”, INSCR International Conference, University of Delhi; 27th September 2017.

Lal, R., Guest Lecture, “*Reaching the Unreached through Genomics and Metagenomics*”, National Conference on Biotechnology: Exploring through Innovations (BETI), Department of Biotechnology, Central University of Haryana, Mahendergarh, 13th November, 2017.

Lal, R., “*Reaching the Unreached through Genomics and Metagenomics*”, DBT-sponsored Short-Term Training Course on “Application of metagenomic tools for bioremediation towards environmental restoration”, Amity Institute of Biotechnology, 14th November, 2017.

Lal, R., “*Role of Computational Biology and Bioinformatics in Microbiology*”, ISME-AMI-INSCR Pre-conference workshop, Babasaheb Bhimrao Ambedkar University, Lucknow; 16th November, 2017.

Lal, R., Invited Lecture, “*Metagenomic approaches to evaluate soil biodiversity and productivity*”, 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium of Sustainable Development: Scope and Applications (MSDSA-2017), Baba sahib Bhimrao Ambedkar University, Lucknow; 18th November, 2017.

Lal, R., Keynote Lecture, “*Genetic manipulation of polyketide synthase gene cluster of Amycolatopsis mediterranei S699 produce rifamycin B analogs*”, 86th Conference of Society of Biological Chemists, Convention Centre, Jawaharlal Nehru University, New Delhi; 19th November, 2017.

Lal, R., Plenary Lecture, “*Reaching the Unreached through Genomics and Metagenomics*”, 2nd Himachal Pradesh Science Congress (HPSC), Science and Technology for Sustainable Livelihood in Indian Himalayan Region organised by Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE), Shimla; 20th November, 2017.

Lal, R., Invited Lecture (Mentor), “*Scientific Innovations that changed the world and India: Then (Before 1990) and Now*”, 6th DST-INSPIRE Internship Camp, Punjab University Campus, Chandigarh; 21st November, 2017.

Lal, R., Inaugural lecture, “*Exploring the Unseen and Unreached through Genomics and Metagenomics*”, Training course on “Microbial Systematics V2.0”, Microbial Type Culture Collection and Gene Bank (MTCC), CSIR-Institute of Microbial Technology (CSIR-IMTECH), Chandigarh; 11th December, 2017.

Lal, R. “*Microbiome: Exploring the role of microbiota in environmental cleaning, bio-product formation and human health*” Plenary Lecture, UGC National Conference on “Current Trends in Biological Sciences-II (CTBS-2018)”, Post Graduate Department of Biosciences, Sardar Patel University, Gujarat; 9th February, 2018.

Lal, R. “*Role of Computational Tools in Biology: Can we do biology without Computational Tools and Microbiology?*”, Workshop on “Computational biology and its role in genomics and metagenomics”, Life Sciences Society, Hansraj College, University of Delhi, Delhi; 15th February, 2018.

Lal, R. “*Microbiome: Exploring the role of microbiota in environmental cleaning, bio-product formation and Human health*”, Invited Lecture, 30th All India Congress of Zoology and National Seminar on ‘Advances in Zoology for Sustainable Development’, Department of Zoology, Kurukshetra University, Kurukshetra; 16th February, 2018.

Lal, R. “*Management of Research, Laboratory, and Students: Our Experience*”, Symposium on “Safety measures and Laboratory Ethics”, Acharya Narendra Dev College, under DBT Star College scheme; 21 – 22nd February, 2018.

Lal, R. “*Beyond DNA Barcoding: Microbial Fingerprints through Genomics and Metagenomics*”, Inaugural Lecture, “Hands on Training on “DNA Barcoding in Assessment of Faunal Diversity”, Zoological Survey of India, Headquarters, Kolkata; 5th March, 2018.

Lal, R. “*The Emergent Microbiome: A Revolution in Biological Sciences*”, in Recent Trends in Biology-2018 Department of Zoology, Savitribai Phule Pune University, Ganeshkhind, Pune; 23rd March, 2018.

Lal, R. “A new science of Microbiome: Implications in health, environment cleaning and industry” Guest Lecture, Sardar Bhagwan Singh Post Graduate Institute of Biomedical Science and Research, Dehradun; 30th March, 2018.

Lal, R. “From ciliate protozoans to bacterial diversity, genomics and metagenomics”, Inaugural Lecture, International Symposium on Ciliate Biology (ISCB-2018), Indian Habitat Centre, New Delhi organised by Khalsa College, University of Delhi; 4 April, 2018.

Negi, R.K., Chaired session in International Conference on “Science & Technology for Sustainable Livelihood in Indian Himalaya Region”; at Himachal Pradesh Council for Science and Technology and Environment 20 - 21 November, 2017.

Negi, R.K., Chaired Session, in International Conference (IIC-2017) on “Role of microbe-plant-animal interaction in human” organised by Department of Zoology, University of Delhi under banner INSCR; 26 - 28 September, 2017

Patil, B.V., Hanchinal, S.G., Khan, Z., Zarin, M., Haveri, R.V., Chandrashekhar, Yelshetty, S., and Seth, R.K., “Ascertaining the efficacy of gamma radiation on the flower webber, *Marucavitrata* (Fabr.) (Lepidoptera: Crambidae) to establish Inherited Sterility technique for the management of this pigeonpea pest in India”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26th May, 2017.

Rana, M., and Basu-Modak, S., “Immunohistochemical analysis of angiogenic factors in mid- and late-gestation mouse embryos and placenta” International Congress of Cell Biology, Hyderabad; 27 – 31st January, 2018.

Rawat, K., Kumari, R., and Shrivastava, A., “Taming cancer with *Tinospora*-mediated immunomodulation: potential role of neutrophils”, National Conference on "Diseases and Drugs: Emerging Trends and Challenges", Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31 -February 1, 2018.

Saksena, K., Shrivastava, A., and Kant, R., “Chiral analysis of ascorbic acid in bovine serum using ultrathin molecular imprinted polyaniline/graphite electrode”, International Conference on Emerging trends in Drugs Development & Natural Products (ETDNNP-2018) Department of Chemistry, University of Delhi; 12-14 January 2018.

Seth, R.K., Khan, Z., Rao, D.K., Zarin, M., and Seth, R., “Sperm behavior as a key tool ensuring operative efficiency of radio-genetic ‘F₁ Sterility technique’ for population suppression of an economically serious Indian pest, *Spodopteralitura* (Fabr.) (Lepidoptera: Noctuidae) in lab and field simulated cages”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques, (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26 May 2017.

Seth, R.K., Patil, B.V., Haveri, R.V., Hanchinal, S.G., Zarin, M., Khan, Z., and Seth, R., “Establishing a generic radiation dose as post harvest phyto-sanitary treatment against bruchid species (Coleoptera: Chrysomelidae) infesting legumes”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26 May 2017.

Seth, R.K., Singh, K., Singh, C.K., and Lanbiliu, P., “Ascertaining certain parameters that may influence reproductive fitness of moths to be employed in radio-genetic F₁ Sterility technique for suppression of a noctuid pest, *Spodoptera litura* (Fabr.)”, II FAO/IAEA Research Co-ordination Meeting on CRP, “Improved Field Performance of Sterile Male Lepidoptera to Ensure Success in SIT Programmes”, Palmerston North, New Zealand; 12 - 16 March, 2018.

Shrivastava, A., Resource person in a two-day seminar/workshop on "Immunology at a Glance", Department of Zoology under MHRD's scheme of teaching and learning center of S. P. Pune University, Pune; 1 – 3 March 2018.

Singh, A., Aditi, K. and Agrawal, N., “Deciphering the role of key metabolic genes regulating lipid homeostasis in *Drosophila* model of Huntington’s disease”. 59th Annual *Drosophila* Research Conference, Philadelphia, USA; 11-15 April, 2018.

Shrivastava, A., “Crosstalk between cancer and immune system: a link with great potential”, National Conference on "Diseases and Drugs: Emerging Trends and Challenges" Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31 -February 1, 2018.

Tripathy, M., and Rai, U., “Growth/Differentiation factor 9 in the ovary of wall lizard: Its probable role in folliculogenesis.”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29 – December 1, 2017.

Lal, R., “Exploring the Unseen and Unreached through Genomics and Metagenomics”, Continuing Education Program on “Genomics and Proteomics: Methods and Applications”, Department of Molecular Biology, Defence Institute of Physiology and Allied Sciences, DRDO, Delhi; 28 November 2017.

Lal, R., “Role of Computational Biology and Bioinformatics in Microbiology”, Workshop on “Hands on to Computational Biology for (Meta) Genomics Analysis” jointly organised by Department of Environmental Studies and Department of Zoology, Department of Zoology, University of Delhi; 22 November 2017.

Other Institutional collaborations

Prof. Rup Lal: DBT funded project in collaboration with The Energy and Resources Institute (TERI), National Botanical Research Institute (NBRI), Indian Institute of Toxicology Research (IITR) and Ramjas College, University of Delhi.

Prof. Rina Chakrabarti: DBT, India – BBSRC, UK (2016-2017) “Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients”. Collaborators: India- Goa University, Kerala University of Fisheries, Delhi Technological University; UK: University of Stirling, Scottish Association for Marine Science; Africa: Sokoine University of Agriculture, Aqua cultural Association of Kenya, State Department of Fisheries.

Extension and outreach activities

Prof. Shibnath Mazumder: Conducted a one-day workshop on Fish Immunology under aegis of DBT-Star College Program on 04.03.2018 at Handique College, Guwahati.

Prof. Rina Chakrabarti: Participated as a Fishery expert in the discussion on “Health Management of Fishes in Winter” on DD Kisan channel, Govt. of India on November 1, 2017.

Prof. Rina Chakrabarti: Participated as a Fishery expert in the discussion on “Animal Health Management in Rainy Season” on DD Kisan channel, Govt. of India on July 21, 2017.

Prof. Alok C. Bharti and Prof. Anju Shrivastava: Organised “Women Health and Cancer Awareness Camp” with AOGIN-India and Miranda House at Delhi University Women’s Association, University of Delhi on April 7, 2017.

Prof. Umesh Rai: Organised a one-day hands-on training programme on animal (rodents) handling, maintenance and breeding. Endocrine glands were demonstrated and experiments were shown to understand hormonal control of various physiological functions. Students of B.Sc. (H) Zoology from Maitreyi College and Zakir Husain Delhi College attended the programme under the leadership of Dr. Brototi Roy (Maitreyi College) and Dr. Sunil Kumar (Zakir Husain Delhi College).

M.Phil. / Ph.D. Awarded: Ph.D. – 26; M.Phil. – 8

Faculty Strength

Permanent – 18

FACULTY OF SOCIAL SCIENCES

ADULT, CONTINUING EDUCATION AND EXTENSION

Major Activities and Achievements

The Department is part of the Faculty of Social Sciences since 1985. It has its beginning in 1978 as a Cell. The Department offers M.A. in Lifelong Learning & Extension. It also has M. Phil and Ph.D programmes. The Department has an agreement with the University of Wurzburg, Germany for faculty and students

exchange programme. Under this agreement the first batch of 6 students, second batch of 11 students, 10 students and 4 students with a faculty attended on each occasion in 2015, 2016, 2017 and February 2018. The Students of Wurzburg University also visited Department of Adult Continuing Education & Extension University of Delhi in Autumn School, September, 2017. Department has developed a unique programme of short-term courses for students and community people to pursue their personal interests and to promote skill training. Some of its popular courses are Travel & Tourism and Counseling and Guidance.

Honours/Distinctions

Prof. V. K. Dixit has been appointed as Dean, Faculty of Social Sciences

Prof. V. K. Dixit has been appointed as Standing Committee, Academic Council, University of Delhi, 2018

Prof. Prakash Narayan and Prof. Rajesh, visited as Mentors in University of Wurzburg, Germany in February 2018.

4 students participated in Winter Workshop, University of Wurzburg, Germany in February, 2018.

Prof. J. P. Dubey was appointed honorary Director in Delhi School of Journalism.

Department setup a Council & Guidance Centre for Transgender Community for DU Admission 2018.

Publications

Chauhan, A., Bak, H., Subbaswamy, S., & Dixit, V. K. (2017). Lifelong Learning and Skill Development policies and Programmes: A Competition between India and South Korea. In R. Egetenmeyer & M. Fedeli (Eds.), *Adult Education and work contexts: International perspectives and challenges, comparative perspectives from the 2017 Wurzburg Winter school*, (p. 41-60), New York, USA: Peter Lang GmbH.

Rajesh & Nitish. (2018). Innovation and opportunities to Marginalized Group in India, Experiences of Community Learning Centres. *India Journal of Adult Education*, 9(3), 104-120.

Rajesh. (2017). Paradigm of Social Defence and Elderly population in India. *National Institute of Social Defence*, 1(2), 1-16.

Rajesh. (2017). Transgender – The third Gender from Social Exclusion to employability in India in social Defence. *National Institute of Social Defence*, 313-32.

Dubey, J. P. (2017). Professional Competence in Higher Education: Advocacy for Lifelong Learning in Higher education Quality management & social responsibility. In S. S. Rawat (Ed.), (pp 1-13). Agra, UP: Rakhi Publication.

Sisodia, V., & Anand, N. (2017). Practicum in higher education. *International Journal of Multidisciplinary Educational Research*, 6(6), 139-154.

Srivastava, S., & Sisodia, V. (2017). A study on substance abuse among Young Adults in University of Delhi, North Campus. *International Journal of Multidisciplinary Educational Research*, 6(6), 139-154.

Sisodia, V., & Goswami, D. (2017). Understanding socio-economic conditions of Rickshaw pullers of Delhi after introduction of E-rickshaws. *Indian Journal of Adult Education*, 8(02), 40-51.

Research Projects

S. No.	Funding Agency	Name of Projects	Year	Grant Received
1	UGC (Indo-German Partnership in Higher Education at German Academic Exchange Service (DAAD) and University Grants Commission (UGC))	<i>Adult and Life Long Education: India and German Insights</i>	2016-2020	€ 118140/- (Rupees 88,00,000/-)

Seminars Organised:

Autumn School 16th – 30th September, 2017

Seminar/Conference Presentations

International Conference on Lifelong Learning & Adult Education Professionals, Feb. 16-17, 2018 in Wurzburg, Germany Deputed by the University of Delhi.

Prof. Rajesh was a Chief Guest in International Conference on History, Culture and Literature - reading the Margin organised by English Department and Department of English - Swami Shradhanand College on 24 - 28 feb 2017.

Invited lecture in Kalindi College on Career Counseling and Life Skills Building on 28.2.2017.

Prof. J. P. Dubey gave a Key Note address on Rural Development & Extension on 22nd Feb, 2017, Jammu University.

Participated in Two day National seminar on Lifelong Learning and Sustainable Rural development on 22-23 February 2017 at University of Jammu.

Vandana Sisodia and Shweta Tiwari presented on Role of ICT in creating awareness about women right in National seminar on women rights and responsibilities in progressive India: A discourse, March 23-24 2017 at Department of Journalism Kalindi college, University of Delhi. March 2017.

Participated and judged paper presentation of pupil teachers. National seminar on "Empowering teachers as ambassador of changing in fostering discipline in students" February 21st 2017 at Amity Institute of Education, Saket, New Delhi.

Vandana Sisodia presented a paper on A study of awareness about "Swachh Bharat Mission among students of University of Delhi, North Campus at Third National Symposium on Environment challenges :Generation next, March 31, 2017 held at Desh bandhu College, University of Delhi

Participated and judged paper presentation of pupil teachers. National seminar on "Empowering teachers as ambassador of changing in fostering discipline in students" February 21st 2017 at Amity Institute of Education, Saket, New Delhi.

Participated in National seminar on women rights and responsibilities in progressive India: A discourse, March 23-24 2017. Department of Journalism Kalindi college, University of Delhi. March 2017.

Participated in Third National symposium on Environmental challenges: Generation Next, March 31st 2017 Dshbandhu College, University of Delhi.

Participated in National Conference on Teacher education: Current scenarios and future possibilities, at CIE, Department of education, and University of Delhi. March 10 -11, 2017

National/International MoUs Signed

Yes, Indo German Project MoUs with JM University, Wurzburg, Germany

Students under Exchange Programme

Yes, with JM University, Wurzburg, Germany

List of selected students for visit to University of Wurzburg Germany 2016-17 (Faculty Prof V K Dixit)

S. No.	Name	Course	Category
1	Anil Kumar	M.A. Part- I	OBC
2	Donika Arora	M.A. Part –II	OBC
3	Jaskirat Kaur	M.A. Part – I	GEN
4	Nidhi Sharma	M.A. Part – I	GEN
5	Nirmal Kaur	M.A. Part – I	SC
6	Rajneesh Jindal	M.A. Part – I	Gen
7	Ashok Kumar	Ph.D.	OBC
8	Bharti Meena	M.Phil	ST
9	Nidhi	Ph.D.	GEN
10	Nitish Anand	M.Phil	GEN

List of Selected students for Visit to University Wurzburg Germany (Prof. Prakash Narayan and Prof. Rajesh)

S. No.	Name	Course	Category
1	Kamal Singh Rathore	M.A. LLL (Sem. IV)	Gen.
2	Pooj Yadav	M.A. (Sem. II)	OBC
3	Abhishek Kumar Mishra	M.Phil	Gen.
4	Rohit Nainwal	M.Phil	SC

Extension and Outreach Activities

The importance of building up an understanding with respect to the 'context of content' is reflected in the field work practicum of the Department of Adult Continuing Education & Extension. Paying attention to its extension activities the Department believe in working in close relationship with the community and the organizations working in these communities. Over the past many years the Department has built up the understanding of mutual concerns with NGOs and civil society organizations to facilitate its students. Practical experience along with academic knowledge is well reflected in its intervention programs. Students are visiting the following civil society organizations for internship and concurrent field work programme.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.: 06 (2017-2018)

M.Phil: 05 (2017-2018)

Faculty Strength

Permanent - 06

Other Significant Information

International Autumn School – 2017

The Department provides a Five year integrated course in Journalism

The Department also provides a One year post Graduate Diploma in Cyber Security & Law.

AFRICAN STUDIES

Major activities and achievements

The Department of African Studies, University of Delhi founded on 6th August, 1955 celebrated its fifty years of establishment in 2005. The Department, established by the First Prime Minister of India (Late) Pandit Jawaharlal Nehru, specializes in History, Politics, Society, Economy, Geography and Literature on African affairs.

The Department is actively engaged in teaching and training the scholars to do research. The M.Phil. and Ph.D. scholars are trained to do research on the relevant issues and topics on Africa and produce quality research paper. Till date the Department has awarded M.Phil. degree to 403 scholars and awarded Ph.D. degree to 102 scholars. Besides, the Department also teaches Swahili, one of the major African languages spoken in Eastern Africa. Till today more than 200 students have been awarded Diploma and Certificate in Swahili Language. Many of them are engaged in the work of translation and interpretation for those who are doing their business in Africa.

In 2005, University Grants Commission (U.G.C.) established Center for African Studies within the Department. With the grants given by the UGC, the Department has been able to carry out its academic activities such as seminars, conferences and special lectures, apart from procuring books and journals for the Department Library. Besides, the grant was given to faculty members to visit Africa and acquire first hand field experience. Part of the grant was allocated to Ph.D. scholars to assist them financially to go to Africa for collecting data for the research.

The Department takes up projects from time to time depending on the availability. One of the projects the Department has taken up is Hashim Mbita Project, sponsored by Southern Africa Development Community (SADC) to work on India, NAM and its role in the liberation of Southern Africa.

The Department conducts in-depth study and research on selected issues in the various study groups it has set up such as study groups on India Africa Relations, study group on South Africa, Human Rights, Refugees and Sudan Study Units.

Publications

Kumar, S. (2017). GST as a Game Changer. In A. Agarwal (Ed.), *Goods and Services Tax (GST) Impact on Indian Economy* (pp. 174-177). Delhi, India: New Century Publications.

India Opinion on Morocco-Cuba-Reactions, *MAPE* [0007] 24/04/2017 16h25: MAP 241525.

Babaji, H., & Kumar, S. (2017). *Small Arms Proliferation and Conflict in West Africa*. USA: Lambert International Publications.

Hindi Aur Swahili Lok Kathaein, *Global Thought*, May 2017, ISSN No.2456-0898.

Pathak, V. (Ed.). (2018). *Imagining India as a Global Power: Prospects and Challenges*. London & New York: Routledge, Taylor & Francis.

Pathak, V. (2018). Indian Diaspora: A Strategic Asset for Indian Foreign Policy in the 21st Century. In S. K. Ragi, S. Sondhi & V. Pathak (Eds.), *Imagining India as a Global Power: Prospects and Challenges*, London & New York: Routledge, Taylor & Francis.

Kapoor, R. (2017). From Commodity Exchange to Cultural Diplomacy: A Case of Indian Ocean Trade Network. *Global Thought*, 12-18.

Kapoor, R., & Charan, G. S. (2017). Water-Sharing Dispute of the Nile River with Special Reference to Egypt. *Global Thought*, 184-191.

Kapoor, R., & Singh, G. (2017). Hindi aur Swahili lok-kathain: Vichar aur jeevan shaili ki smanta ka pradarshan. *Global Thought*, 192-195.

Kapoor, R. (2017). Cultural Affinities and commonalities between India and Ethiopia. *Extraordinary and Plenipotentiary Diplomatist* (Special Report).

Kapoor, R. (2017). Kya jalvayu samjhauta Africa ko jalvayu parivartan se utpan hui samasyaon se nijat dilane mein saksham ho sakta hai? *Navin Shodh Sansar*, 3(20), 298-300.

The Paris Agreement 2015 and African Perceptions. (2017). *Climate Change and Disaster Management*. Proceedings UGC, CPDHE, HRDC. Delhi: Shivalik Prakashan.

Kapoor, R., & Kapoor, S. (2017). African Prodonova, African Resilience and Africa Today. *Indian Journal of African Studies*, 22 (1&2), 109-125.

Dash, S. (2017). *Regional Resurgence in Africa: Prospects and Challenges of African Union*, New Delhi: Vij Books.

Dash, S. (2018). Mapping the Global Experience of Secularism: An Indian Perspective. In P. Singh (Ed.), *Politics for a New India: A Nationalist Perspective*, New Delhi: Rupa.

Dash, S. (2017). India-Africa Relations: Issues and Priorities. In S. K. Ragi, S. Sondhi & V. Pathak (Eds.), *Imagining India as a Global Power: Prospects and Challenges*, London & New York: Routledge.

Journals

Dr. Gajendra Singh in *Global Thought*

Dr. Vidhan Pathak *The Signage and Diplomatist*

Dr. Sandipani Dash *Indian Journal of African Studies*.

Research Projects

International Research Project

Indian Council of Social Science Research-National Institute for the Humanities and Social Sciences (ICSSR-NIHSS) *International Joint Research Project on Religion, Yoga and Education in India and South Africa* (2016-2018) Prof. Suresh Kumar is the Chief Collaborator.

UNESCO Research Group on African and Brazilian knowledge, practices, education and histories in a Southern Perspective, Porto University, Brazil, 2012-Continue.

Seminars Organised

Prof. R. Mukandala, Vice Chancellor, University of Dar-es-Salaam (UDSM), Tanzania spoke about "Contemporary Trends in African Politics" dated 9th October, 2017 at 11.30am

Dr. Davendra Rajawat, Chief executive Officer, Metro SDA Hospital Ltd. Kitwe, Zambia spoke about "Health and education System of Zambia", dated 23rd January, 2018.

Prof. Kenneth King, African Studies & School of Education, The University of Edinburgh, spoke about "Contemporary Africa" Dated 2nd February, 2018.

Conferences Organised (International)

‘International Ambedkar Conclave: Constitution, Education, Skill Development, Economy and Entrepreneurship for SCs& STs’ held by the Forum of SC and ST Legislators and Parliamentarians at the Vigyan Bhawan, New Delhi on 27-28 November 2017.

Inclusive Tribal Congregation: Sharing Experiences of India and Africa, Hall No. 4, Vigyan Bhawan, Maulana Azad Road, New Delhi on 22nd February, 2018

Seminar / Conference Presentation

Prof. Suresh Kumar presented a paper at International Conference of Indian Society for Indic Studies (InSIS) on Applied Ancient Wisdom for Transformational Leadership, 20-22 February 2018, Organised by DRPSECT, Vadodara, COL& SOL, University of Delhi. Topic: Self-Responsibility, Social Responsibility for Building a Creative Society through Yoga.

Prof. Suresh Kumar presented a paper at an International Seminar on Sharing Developmental Experience in Africa and Eurasia, 19 - 20 February 2018 organised by Centre for Central Eurasian Studies and Centre for African Studies. Topic: Development of Democratic Nationalism, Democratic Rights and Nation Building in Eritrea.

Prof. Suresh Kumar presented at an International Conference on CFP: Conference on South-South Cooperation: India-Africa partnerships for food security and capacity building, 23-24 January 2018 organised by Centre for African Studies, University of Mumbai & Gandhi-Mandela Centre for African Studies, Observer Research Foundation (ORF), Mumbai. Topic: Ethiopia Model of Agricultural Development and Role of Indian Public-Private Sectors.

Prof. A.S. Yaruangam presented a paper in International Conference on Asian Tycoons Investment on Land in Africa: Myth or Reality, 15-17 Feb., 2018 at Jamia Millia Islamia University, Delhi

Prof. A.S. Yaruangam presented a paper in the International Conference in Mumbai from 19-20, Feb., 2018 on PAN – African E-Network: From the Perspective of India – Africa Relation

Prof. A.S. Yaruangam presented a paper at National Seminar on Implementation of PAN – African E-Network: Challenge & Prospects at Madras University on 28th Feb., 2018. Prof. A.S. Yaruangam gave a special Lecture on “A Call to the Church for Social transformation” on 15-17th March, 2018, Manipur.

Dr. Ganjendra Singh presented a paper at International Seminar on Society and culture of Khoisan Community of South Africa on Sharing Development Experiences in Africa and Eurasia organised by Centre for Central Eurasian Studies & Centre for African Studies, University of Mumbai and Observer Research Foundation Mumbai at University of Mumbai on 19-20th February, 2018.

Dr. Ganjendra Singh presented a paper at International Seminar on Revisiting Gandhi and Ambedkar title “Gandhi and his Satyagraha in South Africa on 24th October, 2017 at Satyawati College, University of Delhi.

Dr. Gajendra Singh presented a paper and participated in International Conference on “Value, Ethics & Society of Pastoral Community of East Africa” on 22nd February, 2018 at Vigyan Bhawan, New Delhi.

Vidhan Pathak, “Russia–Libya Relations: A Geostrategic Perspective” paper presented in International Seminar on Sharing Development Experiences in Africa and Eurasia organised by Centre for Central Eurasian Studies & Centre for African Studies, University of Mumbai and Observer Research Foundation Mumbai at University of Mumbai on 19-20th February, 2018.

Vidhan Pathak, “Idea of Integral Humanism: Relevance for the Contemporary World” paper presented jointly in National Conference on *Integral Humanism: A Vision and Mission* organised by Department of Political Science, Maharaja Agrasen College, University of Delhi in association with Indian Council of Social Science Research (ICSSR) on 5-6th January, 2018.

Vidhan Pathak, chaired a Session on “Effect of International Migration at Origin and Destination” in international Conference on “Transnationalism, Culture and Diaspora in the Era of Globalisation” organised by Centre for Study of Diaspora, Central University of Gujarat, Gandhinagar on 21-23 February 2018 in Gandhinagar, Gujarat.

Vidhan Pathak delivered two lectures on November 29 & 30, 2017 in a two-week “Research Methodology Workshop for Social Science Faculty Members” from November 17- 30th, 2017 organised by Indira Gandhi National Tribal University (A Central University), Regional Campus, Manipur sponsored by Indian Council of Social Science Research (ICSSR), New Delhi.

Dr. Rashmi Kapoor presented a paper on ‘Paris Agreement and impacts of climate change on rivers: A comparative study of the Nile river and the Indus river’ at the two day National Seminar on Adaptation and

Implementation of Paris Agreement : National Initiatives towards “ Climate Change Mission” organised by the Department of Geography, Shaheed Bhagat Singh Evening College, University of Delhi, Sheikh Sarai Phase – II, New Delhi – 110017 held on April 21-22, 2017. Co-presented with Mr Gajendra Singh Charan.

Dr. Rashmi Kapoor, ‘Environment Sustainability and Conservation in Africa: Revisiting Traditional African Knowledge.’ Paper presented at National Seminar on ‘Environment Sustainability and Conservation: Issues and Challenges in 21st Century” on 15 November 2017 at Satyawati College (Evening), (University of Delhi), Ashok Vihar Phase – III, Delhi-110052.

Dr. Rashmi Kapoor, “Seven decades of the Partition: Unsettled Emotions and Entangled Identities.” Paper presented at the National Seminar on ‘Decoding the Partition L(i/a)nes: Reflections on Language, Literature, and Culture’ jointly organised by Kirori Mal College, University of Delhi, Delhi and National Council for Promotion of Sindhi Language, MHRD, Govt. of India held on 6-7 February 2018.

Dr. Rashmi Kapoor, “Understanding the Nature of Impact of Weather Conditions and Other Pollutants on the Air Quality: A Statistical Model.” Paper presented at the International conference on ‘Advancing Green Chemistry: Building a Sustainable Tomorrow’ jointly organised by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi, Delhi, held on 3-4 October 2017. Co-presented with Dr S. Kapoor.

Dr. Rashmi Kapoor, “Changing occupational patterns of transhumance pastoralists: A comparative study of the Maasai tribe of East Africa and the Gaddi tribe of Himachal Pradesh in India.” Paper presented at the International conference on ‘Inclusive Tribal Congregation: Sharing Experiences of India and Africa’ jointly organised by the Forum of SC and ST Legislators and Parliamentarians and the Department of African Studies, University of Delhi, Delhi, held on 22 February 2018 at Hall No 4, Vigyan Bhawan, Maulana Azad Road, New Delhi-110003.

India’s Rising Global Stature in the 21st Century: Contextualising in India’s External Relations with Africa.” Paper presented at the at International Conference on ‘21st Century India: Interrogating Social Economic, Political and Environmental Processes’ Organised by B.A.(Prog.) Society, Satyawati College (Evening) University of Delhi. Delhi held on 24th – 25th April 2018.

Dr. Sandipani Dash presented on India-Africa Partnership on Traditional Medicines: Sharing Tribal Experience, International Conference “Inclusive Tribal Congregation: Sharing Experiences of India and Africa”, Dept of African Studies, University of Delhi, Vigyan Bhawan, 22 February 2018

Dr. Sandipani Dash presented in Energy Partnership Nigeria-Russia Conference “Sharing Developmental Experience in Africa and Eurasia”, Centre for African Studies, University of Mumbai, 19-20 February 2018

Number of M.Phil / Ph.D Degree Awarded

Ph.D.: 01

M.Phil.: 13

Faculty Strength

07

Other Significant Information

Swachh Bharat Abhiyan

Yoga Divash

DELHI SCHOOL OF JOURNALISM

Delhi School of Journalism, the dream project of the Hon'ble Vice Chancellor of University of Delhi was established on 26th September 2017. The inauguration of the academic session of Delhi School of Journalism by the Hon'ble Vice Chancellor Prof. Yogesh Tyagi took place on 26th September 2017.

An orientation week was conducted where eminent personalities from the Media were invited to interact with the students. Media personalities from BBC, 93.3 FM and Zee Network were involved in the interactive sessions.

Delhi School of Journalism was formally inaugurated by the Hon'ble Vice President of India Shri Venkaiah Naidu on 21st December 2017 and he released the first bilingual student magazine of the school called 'Srijan'. The first Advisory Council meeting under the Chairmanship of Shri Ram Bahadur Rai ji was held on 21st December 2017, which was attended by eminent members Dr. Swapan Dasgupta, Shri K.G Suresh, Prof. Irfan Ahmad, Prof. Arun Bhagat and Shri Satish K Singh.

Honours/ Distinctions

Dr. Manasvini M. Yogi (OSD) was awarded the Life Time Achievement award for contribution to the field of Mass Media and Mass Communication by 'Venus International Women Association on 3rd March 2018 at Chennai .

An award for contribution to academics by Prachi Education Society on 8th March 2018 at a function at IIC New Delhi.

Journals / News Magazine

'Srijan' released on 21st December 2017.

Editorial Board-

Dr. Manasvini M Yogi

Dr. Albert Abraham

Dr. Rudresh Narayan Mishra

Seminars Organised

Sixteen seminars by eminent Media Personalities, Media Channels and Academicians were organised w.e.f 3 October 2017-31 March 2018 on various topics –

Shri Atul Kothari and Prof. Arun Bhagat – Prof. Makhanlal Chaturvedi University spoke on the topic '*Ethical and Professional aspects of Journalism*', 29th September 2017.

Prof. Roma Chatterji – Head Department of Sociology, University of Delhi, spoke on the topic '*Sociology of Art, Folklore and Communication*,' 6th October 2017.

Dr. Archana Dutta – Former DG (News), AIR, News Broadcasting House. Former DG, (News), Doordarshan, Mandi House at All India Radio New, spoke on the topic '*Challenges of Media*'. 28th October 2017.

Shri K.G Suresh – Director General IIMC- spoke on the Topic '*Journalism*', 11th November 2017.

Shri Ambrish Saxena – Academic Head Zee Television, spoke on the topic '*Careers in Media*', 25^h November 2017.

Shri Pervaiz Alam – Dean Department of Mass Media and Mass Communication, Satya Apeejay University, talked on the topic '*Journalism in the Digital Era*', 6th January 2018.

Shri. Harsh Ranjan – Editorial Consultant Zee Hindustan, talked on the topic '*Digital Media*', 17th February 2018.

Prof. Bidyut Chakravarty, Department of Political Science, University of Delhi, gave a talk on the topic '*Media and Polity*', 24th February 2018.

Essel Group, organised a seminar on '*Virtual Reality*' on 24th March 2018.

Shootguru, organised a seminar on '*Photography and Digital Film making*', 31st March 2018.

Faculty strength

Two full time faculty on contract and fourteen guest faculty from colleges of the University of Delhi.

Other significant Information

Students participated in the run for unity on 31st October on the occasion of Sardar Vallabh Bhai Patel Birth Anniversary.

Four students covered the University Convocation held on 18th November 2017.

Ten students participated in a National Science Conference held at ILL for three days w.e.f 27-29 December 2017. Twenty students took part in an intra class debate on "Cleanliness is the path to progress" sponsored by Delhi Public Library.

Department Students also participated in Intercollege Debate, Quiz and Photography Competitions organised by different colleges of University of Delhi and won many prizes

EAST ASIAN STUDIES

Major activities and achievements: The Department offers post graduate courses in M.A. in East Asian Studies, M.A. in Japanese and Ph.D. in East Asian Studies. The Post-graduate courses in the Department focus on an inter-disciplinary approach to the study of the region. Language is a compulsory component of this program and students learn one of the three East Asian languages viz. Chinese, Japanese or Korean. This program enables students to have comprehensive and integrated knowledge of the subject and the language concerned. It aims to create experts on East Asia who could work in Think tanks, NGOs, government agencies, International Organizations, Newspaper Agencies etc.

Further, the Department offers two years of Post Graduate Diploma and Advance Diploma Courses in Chinese, Japanese and Korean languages. Students who complete these courses get absorbed in companies in and outside India. The highlight of this year has been signing of MoUs. Prof. Joyce C.H. Liu, Visiting Faculty from Taiwan was sent to the department under the MoU signed. Renowned speakers were invited for Monday seminars and conferences. Many faculty members presented research papers in National and International Conferences. Meritorious students got scholarships to go to China, Taiwan and Japan for higher studies. A large number of students got placement through the Placement Cell of the Department.

Publications

Balatchandirane, G. (2017). *The Roving Indian and Stagnant Japan*. Occasional Paper No.2 of the Occasional Paper Series of the Department of East Asian Studies University of Delhi. December - 2017.

Balatchandirane, G. (2018). Higher Education in India and China: Game Changer or Opportunity Lost? In S. Chakrabarti (ed.) *Higher Education in India and China: Select Perspectives*, (PP.74-104). Delhi: Aakar Books.

Balatchandirane, G. (2018). Not without blood, sweat and tears: Peasant farming in prewar Japan, *China Report*, 54(2), 194-212.

Unita, S. (2017). Japanese Literature in Translation and Research in India with special reference to Ishikawa Takuboku. In P. A. George (ed.), *Japanese Literature in Indian Translations: Issues and Challenges*, (pp.136-155).

Unita, S. (2017). Bridging Ties between India and Japan through Literature with Special Reference to Ishikawa Takuboku. In G. Keeni (Ed.), *Rabindranath Tagore and Japan: Tagore and Japan & Various Aspects of Japanese Culture*. Visva-Bharati: Granthan Vibhaga.

Unita, S. (2017). Nahin Manta Haar Barish se bhi (Ameni mo makezu: A poem by Miyazawa Kenji). In P. A. George (Ed.), *Japanese Literature in Indian Translations: Issues and Challenges*, (P.226-227).

Research Projects

ICHR-JSPS Joint research Project (2016-2018) “*Japanese Pilgrimages to Bodhgaya: Buddhist Revival Movements in India and Exchanges Between India and Japan*.” Mukhopadhyaya Ranjana, Amount Sanctioned 5 lakhs.

Programme coordinator and Unit writer, *Certificate Programme in Japanese*, Uttarakhand Open University, Haldwani, Project completed 2017, Sachidanand Unita.

Associated with the Project under UGC e-Pathshala as paper coordinator for two papers, “Hyakunin Isshu” and “Post War Japanese Literature”, 70 modules completed 2017, Sachidanand Unita.

Seminars Organised

In total, 19 seminars were organised by the Department. To mention a few, the following are some of the seminars that took place this year:

Prof. Sharad K Soni, Director, UGC-Area Studies Programme, Professor J.N.U talked about “Realpolitik in Mongolia- China Relations” 17 April, 2017

Prof. Aya Ikegame, Associate Professor, Graduate School of Inter Faculty Initiative, University of Tokyo spoke on “Untouchability Compared: Political Experiences of Burakumin in Japan and Dalits (Adijans) in south Korea” 31 July, 2017

Prof. Akiyoshi INOUE, Kokugakuin University, Japan talked about “Occurrence and Significance of Naturalism in the History of Modern Japanese Literature” 17 August, 2017

Prof. Joyce C.H. Liu, professor, Chair, Institute of Social Research and Cultural Studies, Taiwan spoke on “Pax Sinica and the Lure of Confucianism: Coloniality of Epistemology and the Possibility of Border thinking” 28 August, 2017

Prof. David Arase, Professor, The Hopkins-Nanjing Centre, Johns Hopkins-SAIS talked about “How has US policy in East Asia changed under Trump?”, September 4, 2017

Dr. Narender Kumar, Deputy Librarian, University of Delhi, spoke about “Accessing E-resource on East Asia through DU Library Network”, September 11, 2017

Prof. Mizokami Tomio, Professor of Hindi, Osaka University, Japan spoke on “India-Japan Relations”, 06 November, 2017

Prof. Jaechun Kim, Sogang University, Korea and Prof. Joonkyung Ha, Hanyang University Korea talked about “The Inauguration of Moon Jae-in Government Korea Democracy, and Foreign Policy Challenges and Korea’s Growth Strategies: Implications for India’s Economic Development”, 16 November, 2017

Prof. Dibyesh Anand, Head, Department of Politics and International Relations, University of Westminster, United Kingdom spoke on “China India Border Imbroglio and the Tibet Question” 22 January, 2018

Amb. Deepa Gopalan Wadhwa, Former Diplomat, Govt. of India, talked about “Relation with Japan in a Historical to Present Day Perspective”, 19 February, 2018

Conference Organised

National Workshop on “19th Chinese Communist Party (CCP) Congress: An Assessment” on October 30, 2017. Workshop on ‘The History of East Asia’ on November 21, 2017 for College teachers.

Seminar/Conference Presentations

Balatchandirane, G presented a paper on “The Migrant Indian and Ageing Japan” at the Seminar on ‘Emerging Trends in Globalisation and Regionalism’, Indian Council of World Affairs (ICWA), Sapru House New Delhi, February 7-8, 2018

Balatchandirane, G presented a paper on “Higher Education: East Asian countries” at the Symposium on Post XLI Indian Social Science Congress, “Indian University Education System: A Critical Appraisal” Satkayam Bhawan, Faculty of Social Sciences, University of Delhi, 17 February 2018

Balatchandirane, G presented a paper on “Historiography and new trends and approaches to Japanese history” at a workshop on ‘Modern East Asia’ Department of History, University of Delhi, 19 February 2018.

Kumar, Paresh presented a paper on “Teaching of Acquainted Culture of Korea in D. U. Syllabus” under the theme of ‘Korean Language Education in India and Korean Culture’ in 11th All India Korean Language Educators’ International Seminar 2017 at Mir Anis Hall, Jamia Millia Islamia, New Delhi, All India Korean Language Education in India (AKLEI), 25-26 August, 2017

Kumar, Paresh presented a paper on “Realism in short stories of Hyeon Jin-geon with special reference to ‘A Lucky Day’ in 1st AKS Interdisciplinary conference on the theme of ‘Emerging Trends in Korean Studies in India: An Interdisciplinary Perspective’, The Centre for Korean Studies (CKS), Jawaharlal Nehru University, 22-23 May, 2017

Kumar, Paresh presented a paper on “Analysis of social issues depicted in Hyeon Jin-geon’s Novella Unsu Joeun Nal (A Lucky Day)”, 2nd AKS Interdisciplinary International Conference on Emerging Trends in Korean Studies in South Asia: An Inter-Disciplinary Perspective, Kathmandu University Nepal, Centre for Korean Studies, Jawaharlal Nehru University, India in association with Kathmandu University and Tribhuvan University, Nepal supported by Academy of Korean Studies, Korea, 9-10 June, 2017

Sahu, Janardan presented a paper on “Taiwan’s South China Sea policy” International Conference on the South China Sea: Emerging Scenario, UGC Centre for Southeast Asian and Pacific Studies Sri Venkateswara University, Tirupati, 24-26 July 2017

Sahu, Janardan presented a paper on “Significance of 19th CCP: A Preliminary Assessment” National workshop on 19th CCP Congress: An Assessment, Department of East Asian Studies 30 October 2017

Sachidanand, Unit presented a paper on “Gods, Legends and Practice: Folk Experience in Garhwal”, Exploring Cultural traditions and Folklore of East Asia and India, Committee Hall, Convention Centre, JNU, 7-8 September, 2017

Sachidanand, Unita presented a paper on “Writing methods for Open mode of learning a foreign language.”, Making Text for Certificate Programme in Japanese Language, Indira Gandhi Open University, Uttarakhand Open University, Haldwani, 20-21 September, 2017

Sachidanand, Unita presented a paper on “Gender, Language and literature in Japan”, “Interlinking Linguistics and Literature-A Tool to ‘Read’ Japanese Literary Texts, Lecture Hall, Convention Centre, CJS, JNU, 3-4 November, 2017

Sachidanand, Unita presented a paper on “Language and Culture: understanding through Literature” Seminar on Teaching Methodology in Japanese Language Education, EFLU, Hyderabad, 8 March 2018

Sachidanand, Unita presented a paper on “The concept of Minimalism and Haiku in Japan”, An Evening of Haiku Poetry, India International Centre, New Delhi, The poetry Society (India) & IIC, 10 March, 2017

Sachidanand, Unita presented a paper on “The Poetic Journey of Matsuo Basho”, National Seminar on Japanese Language, Culture and Literature in Transition, 25 March, 2017

National/International MoUs Signed

National

- MoU between University of Delhi and Taipei Economic and Cultural Centre, India

International

- MoU between University of Delhi and National Chung Cheng University, Taiwan, R.O.C.

Other Inter-Institutional Collaboration

- Centre for Policy Research, New Delhi
- Institute of Chinese Studies, New Delhi
- Institute of Peace and Conflict Studies, New Delhi
- Jawaharlal Nehru University, New Delhi

Placement Details

- Five Companies visited for campus recruitment
- 100% students got placements in Companies, Think Tanks, and Government Organisations or got admission in higher studies in India as well as abroad.

Extension and Outreach Activities

- Participated in All India Korean Speech Contest.
- Participated in Japanese Language JALTAI Essay Contest
- Celebrated Constitution Day
- Celebrated International Yoga Day
- Organised Vigilance Awareness Week
- Participate in Swachta Abhiyan
- Part Time Certificate, Diploma and Advanced Diploma courses in Chinese, Japanese and Korean are being conducted through various colleges of Delhi University.

Number of Ph.D./M.Phil awarded

- Ph.D. - 1
- M.Phil - 7

Faculty Strength

- Permanent- 13
- Ad-hoc 3
- Guest- 5
- Visiting Faculty- 4

Other significant information

- Field Trip to Two Students, Three Faculty members to Japan, China and Taiwan
- Two students got scholarship to do research in Japan
- Two students visited Japan for 10 days under JENESUS Programme by Embassy of Japan
- One student participated in China: Second Asia Africa Youth Festival, 22-27 September 2017
- Two students got scholarship for Taiwan Elite Education Program (TEEP) National Kaohsiung Normal University, Kaohsiung, Taiwan from December 12, 2017- February 12, 2018.
- One student participated in China: Second Asia Africa Youth Festival, 22-27 September 2017
- One student got second prize in the Junior Category Essay Contest in Japanese language
- Post-Graduate students of the Department of East Asian Studies have placement opportunities in several Think tanks, namely, Vivekananda International Foundation, Institute for Peace and Conflict Studies, Institute for Defense Studies and Analyses, Observer Research Foundation, Centre for Air Power Studies, Institute of Chinese Studies, and Indian Council of World Affairs. Language students of our Department have opportunities for placement in several companies in and outside India namely, Vivo Mobiles, Liteon Technology Corporation, OPPO Mobiles, Hindustan Computers Limited, Mitsubishi Corporation, LG Electronics, Huawei Telecommunications, Samsung, American Express, Shinhan Bank, VFS Visa Services, Maruti Suzuki, and Oracles. There are various scholarships for students for higher studies in China, Taiwan, Japan and Korea, Shinhan Bank scholarships, Scholarship by M/s LG Electronics Ltd, Fellowship etc.
- Prof. Joyce C.H. Liu, Taiwan was sent to the Department as Visiting Faculty from 17.08.2017 to 31.08.2017 under the MoU signed between University of Delhi and Taipei Economic and Cultural Centre in India.

ECONOMICS

Major Activities and Achievements

During the period April 2017 to March 2018, members of the department continued to contribute to the field of economics in significant ways. Several faculty members published their research works in leading national and international professional journals. They also participated in policy debates through writings in popular journals and produced two well-regarded economic forecasts. The department remains a UGC Centre of Advanced Study and for the sixth successive year it was ranked the highest amongst university economics departments in India by Repec, a global electronic archive of working papers and publications in Economics (<http://ideas.repec.org/top/top.india.html>). Faculty members also participated in several national and international conferences. During the year, the department organised two major international conferences and a weekly seminar series that brought in distinguished speakers from India and abroad to present their research.

The Department supports M.A., M.Phil. and Ph.D. programmes. In 2017-18, as many as 3883 students applied for the M.A. programme. The Department also continues to attract research students for its M.Phil. and Ph.D. programmes. A regular colloquium was organised for M.Phil. and Ph.D. students, at which research students presented their work in progress and faculty members lectured on research methods and ethics. Research students presented their work at professional conferences too.

The Department has been very successful in placing its Masters graduates in corporate jobs as well as in Ph.D. programmes in the top-grade universities abroad.

Honours/Distinctions

- Prof. Ram Singh was appointed as Visiting Position: Department of Economics and South Asia Institute, Heidelberg University, Germany, 2017.
- Prof. Pami Dua was awarded with Distinguished Alumni Award, Lady Shri Ram College, University of Delhi, April 2017

Publications

Bag, S. (2018). *Economic Analysis of Contract Law: Incomplete Contract and Asymmetric Information*. London: Palgrave Macmillan/Springer.

Bhattacharjea, A. (2016). Recent Trends in Mega-mergers in India and Lessons for Competition Policy: Insights from Merger Cases under the Competition Act. In C. Veeramani and R. Nagaraj (Eds.), *International Trade and Industrial Development in India: Emerging Trends, Patterns and Issues*. New Delhi: Orient Blackswan.

Bhattacharjea, A. & De, O. (2017). Anti-cartel Enforcement in India. *Journal of Antitrust Enforcement*, 5, 166-196.

Bhattacharjea, A. (2017). Sylvania's Indian Precursor and its Legacy. *Review of Industrial Organization*, 51(2), 173-191.

Bhattacharjea, A. (2017). Threshold Effects of Indian Labour Laws: A Critical Review of Some Recent Research. In U. Kapila (Ed.), *India's Economy: Pre-Liberalisation to GST: Essays in Honour of Raj Kapila*. New Delhi: Academic Foundation.

Bhattacharjea, A. (2018). Predatory Pricing in Platform Competition. In A. Bharadwaj, V. H. Devaiah and I. Gupta (Eds.), *Multidimensional Approaches Towards New Technology: Insights on Innovation, Patents and Competition*. Springer.

Bhattacharjea, A., De, O. & Gouri, G. (2018). Competition Law and Competition Policy in India: How the Competition Commission has dealt with Anticompetitive Restraints by Government Entities. *Review of Industrial Organization*.

Deshpande, A. (2016). Media citation: Forget the Glass Ceiling, Indian Women Must Worry about the Sticky Floor Instead, *Quartz*.

Deshpande, A., Desrochers, A., Ksoll, C. & Shonchoy, A.S. (2017). The Impact of a Computer-based Adult Literacy Program on Literacy and Numeracy: Evidence from India. *World Development*, 96, 451-473.

Deshpande, A. & Ramachandran, R. (2017). Dominant or Backward? Political Economy of the Demand for Quotas by Jats, Patels and Marathas. *Economic and Political Weekly*, LII(19), 81-92.

Deshpande, A., Goel, D. & Khanna, S. (2018). Bad Karma or Discrimination? Male-Female Wage Gaps among Salaried Workers in India. *World Development*, 102, 331-344.

Dua, P. & Suri, R. (2017). Exchange Rate and Central Bank Intervention in India: An Empirical Analysis. *The Journal of Developing Areas*, 52, 127-143.

Dua, P. & Kapur, H. (2017). Macro Stress Testing of Indian Bank Groups. *Margin: The Journal of Applied Economic Research*, 11, 375-403.

Dua, P. & Kapur, H. (2018). Macro Stress Testing and Resilience Assessment of Indian Banking. *Journal of Policy Modeling*, 40, 452-475.

Dua, P. & Suri, R. (n.d.). Inter-linkages between USD-INR, EUR-INR, GBP-INR and JPY-INR Exchange Rate Markets and the Impact of RBI Intervention. *Journal of Emerging Market Finance*.

Kumar, S. (n.d.). Air Pollution and Traffic Congestion in Urban India'. In G. Wan and M. Lu (Eds.), *Cities of Dragons and Elephants: Urbanization and Urban Development in the People's Republic of China and India*. Oxford: Oxford University Press.

Kumar, S. (n.d.). Urbanization and Water Supply and Sanitation in India. In G. Wan and M. Lu (Eds.), *Cities of Dragons and Elephants: Urbanization and Urban Development in the People's Republic of China and India*. Oxford: Oxford University Press.

Mittal, N. & Meenakshi, J.V. (2018). Does the ICDS Improve the Quantity and Quality of Children's Diets? Some Evidence from Rural Bihar. *Journal of Development Studies*.

Brauw, A. L., Eozenou, P., Gilligan, D., Hotz, C., Kumar, N. & Meenakshi, J. V. (2018), Biofortification, crop adoption and health information: Impact Pathways in Mozambique and Uganda. *American Journal of Agricultural Economics*. Doi: 10.1093/ajae/aay005. An earlier version of the paper appeared as HarvestPlus Working Paper 21.

Dang, A. & Meenakshi, J. V. (2018), The Nutrition Transition and the Intra-Household Double Burden of Malnutrition in India". In M. Helble and A. Sato (Eds.), *Wealthy but Unhealthy: Overweight and Obesity in Asia and the Pacific: Trends, Costs, and Policies for Better Health* (Asian Development Bank Institute).

Banerji, A. & Chowdhury, S., Groote, H.G., Meenakshi, J. V., Tomlins, K., Haleegoah, J. & Ewool, M. (2017). Eliciting Willingness to Pay through Multiple Experimental Procedures: Evidence from Lab-in-the-Field in Rural Ghana. *Canadian Journal of Agricultural Economics*.

Schäfer, H. B. & Singh, R. (n.d.). Takings of Land by Self-interested Governments: Economic Analysis of Eminent Domain, *Journal of Law and Economics*.

Cao, J., Mukherjee, A. & Sinha, U.B. (2018). Firm-asymmetry and strategic outsourcing. *International Review of Economics and Finance*, 53, 16-24.

Kabiraj, T. & Sinha, U. B. (2017). Outsourcing under Incomplete Information. *Indian Growth and Development Review*, 10(1), 3-15.

Journals

- Indian Economic Review: published in-house by the Department since 1952. Transferred production to Springer in 2017.
- Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board - 6

Research Projects

- NOPOOR Policy Brief No. 57: October 2017. “Standard of Living In Urban Slums: How To Measure, And Map Its Correlates – Evidences From Indian Metro Cities”. PI: Sugata Bag <http://www.nopoor.eu/publication/nopoor-policy-brief-nr57-standards-living-urban-slums-how-measure-and-map-its-correlates>
- ‘Responsible Innovation, ICT and Wellbeing’, Research Council of Norway (2016-18) PI: Surender Kumar

Seminars Organised

Total Number: 29

Raghul S Venkatesh, Aix-Marseille School of Economics presented on Information Transmission with Substitutability and Resource Constraints Date: Thursday, 8th March 2018 at 3:00 PM

Matthias Morys, University of York presented on Where does the Euro stand 10 years after the Global Financial Crisis of 2008? Date: Thursday, 8th February 2018 at 3:00 PM

Amartya Lahiri University of British Columbia and CAFRAL presented on Urbanization, Structural Transformation and Rural-Urban Disparities. Date: Thursday, 11th January 2018 at 3:00 PM

Chandril Bhattacharyya, Delhi School of Economics presented on Informality, Governance and Growth. Date: Thursday, 30th November 2017 at 3:00 PM

Shabana Mitra, IIM-Bangalore presented on Wheels of Power: Long-term effects of targeting girls with in-kind transfers. Date: Thursday, 23rd November 2017 at 3:00 PM

Monisankar Bishnu, ISI Delhi presented on Optimal Intergenerational Transfers and The Rise and Fall of Pay-As-You-Go Pensions. Date: Thursday, 18th January 2018 at 3:00 PM

Bhaskar Dutta, Ashoka University and University of Warwick presented on Coalition Formation and History Dependence . Date: Thursday, 14th September 2017 at 3:00 PM

Ashwini Deshpande, Department of Economics, Delhi School of Economics presented on Do Livelihood Programmes Empower Women? Evidence from Self-Help Groups in Rural India. Date: Thursday, 31st August 2017 at 3:00 PM

Dr. Federico Lupo-Pasini, Lecturer, International Business and Finance Law School of Law Queen’s University, Belfast presented on Is Financial Nationalism on the Rise? A discussion on the logic of cooperation in international finance Date: Thursday, 24th August 2017 at 3:00 PM

Punrajit Roychowdhury, Department of Economics, Shiv Nadar University presented on Partial Identification of Economic Mobility: With an Application to the United States. Date: Thursday, 2nd November 2017 at 3:00 PM

Conferences Organised

Two-day Workshop on Economics of ICTs (Information and Communication Technologies): Transformation, Digital Divides and Development on 22-23 February 2018. This workshop invites

researchers working in India and Asia to contribute on the economics of ICTs; with focus on India but also welcoming contributions on China or global perspectives. Selected papers will be published in an edited book or a special volume of a reputed journal.

WINTER SCHOOL 2017: Winter School 2017 was held over the period December 13-15, 2017. It featured lectures by four invited speakers – Avinash Dixit (Princeton University), Sanjeev Goyal (University of Cambridge), Jørgen Weibull (Stockholm School of Economics) and Timothy van Zandt (INSEAD) – and shorter research talks by young researchers (faculty and students) from around the world. The details of the various lectures and talks are available in the attached file Programme2017.pdf

Kaushik Basu 65th Birthday Conference: Professor Kaushik Basu turned 65 in January 2017. A one-day conference was organised on 17th December 2017 at the Delhi School of Economics to mark this occasion, and to celebrate and honour his intellectual contributions.

One-day workshop on ‘trade and development’, date: 23rd October 2017

Workshop on financial modelling and mathematics, May 3, 2017. The workshop covered areas of Wolfram Mathematica and the Wolfram Finance Platform that use functionality related to finance such as bonds, annuities, derivatives, trading charts, trading indicators, time series analysis, financial data and stochastic processes.

Public Lectures 2017-18: The Department of Economics organised a public lecture by Prof. Ramesh Chand on “Challenges before the Agriculture Sector and the Way Out”. This was held on March 26, 2018. And on “The Economic Survey 2018 & beyond: An Interactive Session” by Dr. Arvind Subramanian on March 22, 2018.

Seminar/Conference Presentations

Bag, S. June, 2017. Paper titled “Understanding Standard of Living and Correlates In Slums: An Analysis Using Monetary Versus Multidimensional Approaches in Three Indian Cities” presented at International Conference on Economics and Development, June 2017 at Colombo, Sri Lanka.

Dua, P. 2018. “Phillips Curve in a Data Rich Environment: An Application of FAVAR to Indian Inflation”, Invited Lecture, 54th Annual Conference of The Indian Econometric Society, Shree Mata Vaishno Devi University, Katra.

Dua, P. 2017. “Protectionism and De – globalization”, Chair, Panel Discussion, Annual Research Conference of Department of Economic and Policy Research, Reserve Bank of India.

Dua, P. 2017. “Academics, Integrity, Research Conduct and Ethics”, Inaugural Address, Workshop on Advanced Research Methods, Department of Commerce, University of Delhi.

Dua, P. 2017. “Financial Inclusion and Digitisation”, Keynote Address, Jaipuria School of Business - Conference on Banking the Unbanked: Financial Inclusion in Digital India.

Goel, Deepti. December, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” 13th Annual Conference on Economic Growth and Development, *ISI, Delhi*.

Goel, Deepti. October, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” Social Sector Development in India: Emerging Issues and Policy Perspectives, *IGIDR Mumbai*.

Goel, Deepti. August, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” Workshop on Human Capital, *ISB Hyderabad*.

Kumar, S. Urbanization and Water Supply and Sanitation in India.

Kumar, S. 2017. Air Pollution and Traffic Congestion in Urban India, Conference on Urbanization in Asia: A Comparative Study of the People’s Republic of China and India, organised by ADBI, Colombo, Sri Lanka.

Singh, R. 2017. ‘The Goods and Services Tax’, Gargi College, University of Delhi, Delhi.

Singh, R. 2017. ‘Acquisition of Land by Self-interested Governments’, London School of Economics.

Singh, R. 2017. ‘Litigation over Eminent Domain Compensation: The Compounding Effect’, Annual Meeting of the European Association of Law and Economics, London.

Singh, R. 2017. “Litigation over Compensation under Land Acquisition: Actors and Outcomes”, Heidelberg University, Germany.

Singh, R. 2017. "Public Private Partnerships for Infrastructure Development: Study of National Highways in India", Hamburg University, Germany.

Singh, R. 2017. "Public Private Partnerships for Infrastructure", South Asia Institute, Heidelberg University, Germany.

Sinha, U. B., February 2018, "ICT adoption and composition of trade and welfare" in the International Workshop on ICT and welfare in the Delhi School of Economics.

Other Inter – institutional collaboration:

The Department of Economics, Delhi School of Economics, is the India counterpart of the World Project LINK (initiated and guided by Nobel Laureate late Professor Lawrence Klein) which integrates independently developed national macro models into a global model for macroeconomic forecasting and policy analysis and is coordinated jointly by the UN Department of Economic and Social Affairs and the University of Toronto. In the initial phase Prof. V. Pandit and Prof. late K. Krishnamurthy from the Institute of Economic Growth were actively associated with Project LINK. From the Department of Economics, Prof. K. Sundaram and Prof. Pami Dua were jointly involved in more recent years. The project is presently jointly managed by Prof. Pami Dua and N. R. Bhanumurthy, National Institute of Public Finance and Policy with advisory support from Professor V. Pandit.

Placement Details (Number and percentage of students placed)

- Number and percentage of students placed:- **96 and 81.35%**
- Number of Companies visited for campus recruitment:- **32**

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.: 4

M.Phil: 1

Faculty Strength

Faculty Strength- 21

Adhoc - 7

GEOGRAPHY

Major Activities and Achievements

The Department leads in strengthening the discipline of Geography in India through its emphasis on Inter-disciplinarity, Innovation and Inclusiveness. The Department of Geography through its teaching and research activities aims for bridging the gap between the physical sciences and social sciences. Faculty members of the department have published research articles in high impact factor peer reviewed journals in this year, viz. Geomorphology, International Journal of Climatology, GI Science & Remote Sensing, Natural Hazards, Social & Cultural Geography, City, Culture & Society, Dialogues in Human Geography, Journal of Stochastic Environmental Research and Risk Assessment, etc. The department is known for its expertise in the areas of environment, remote sensing/GIS and gender studies. The Department is also receiving Special Assistance under UGC Research Support Programme DRS III (2013-18).

Honours/Distinctions

- Professor R. B. Singh, Member, International Council of Science (ICSU) Scientific Committee-Health and Wellbeing in Changing Urban Environment-System Analysis Approach. Chair, Research Council-CSIR-Central Food Technological Research Institute (CFTRI), Government of India, Mysore since July 2017-19. Member, Research Council-CSIR-Central Institute for Medicinal and Aromatic Plants (CIMAP), Government of India, Lucknow since July 2017-19.
- Prof. S. C. Rai, Member, Scientific Advisory Committee (SAC), G.B. Pant Institute of Himalayan Environment and Sustainable Development (*An Autonomous Institute of Ministry of Environment, Forest & Climate Change, Government of India*) from August 2017- upto March, 2020. Associate Editor, *Political Economy Journal of India* (Bi-annual), Chandigarh (ISSN: 0971-2097) since 2017.
- Dr. B. W. Pandey, Sectional Recorder, Earth System Sciences (ESS) Indian Science Congress for 106 and 107 Sessions of Indian Science Congress (2018-19, 2019-20). Member, Governing Council, Institute of Indian Geographers (IIG) for the Years 2016-2019.

Publications

A. Books

Mal, S., Singh, R.B., Huggel & Christian (Eds.), (2018). *Climate Change, Extreme Events and Disaster Risk Reduction*. Basel: Springer.

Negi, V. S., Pandey, B. W., & Kumria, P. (Eds.), (2017). *Whither Sustainable Development: Studies in Planning and Management of Land and Water Resources*. New Delhi: Research India Press. New Delhi.

Pandey, B. W., Negi, V. S. and Kumria, P. (Eds.), (2017). *Environmental Concerns and Sustainable Development in Himalaya*. New Delhi: Research India Press.

Rai, S.C. (2017). *Hydrology and Water Resources: A Geographical Perspective*. New Delhi: Ane Book Pvt. Ltd.

Pandey, B.W. (Ed.) (2017). *Water Resources: Potentiality, Vulnerability and Management: Indian Experiences*. New Delhi: Research India Press.

B. Paper Published in Journals

Aggarwal, S., Rai, S.C., Thakur, P.K., & Emmer, A. (2017). Inventory and recently increasing GLOF susceptibility of glacial lakes in Sikkim, Eastern Himalaya. *Geomorphology*, 295, 39-54.

Kumar, A., & Anand, S. (2017). Community Perception towards Solid Waste Management in NCT of Delhi, India. *International Journal of Research and Review*, 4, 47-55.

Bhairannavar, K. (2018). Women, Environment and Migration: A case study of Female construction workers in Delhi. *The Horizon: A Journal of Social Sciences*, 1 (9), 16-27.

Bhuiyan, C., Saha, A.K., Bandyopadhyay, N. & Kogan, F.N. (2017). Analysing the Impact of Thermal Stress on Vegetation Health and Agricultural Drought: A Case Study from Gujarat, India. *GIScience & Remote Sensing*, 54(5), 678-699.

Datta, A. & Lund, R. (2018). Mothering, mentoring and journeys towards inspiring spaces, Emotion. *Space and Society*, 26, 64-71.

De, A. (2017). Tasting Home. *Art East Journal*, 1, 34-36.

De, A., & Nandi, R. (2018). History at the margins: Koch-Rajbanshis and their politics of resistance and rewriting of the past. *Bangabidya, International Journal of Bengal Studies*, 10, 253 -256.

Duan, W., Bin, H., Sahu, N., Pingping, L., Daniel, N. & Kaoru, T. (2017). Spatio-temporal variability of Hokkaido's seasonal precipitation in recent decades and connection to water vapor flux. *International Journal of Climatology*, 37, 3660-3673.

Goswami, N. & Singh, R.B. (2017). Health Seeking Behaviour in Stress Management: A Case Study of French Tourist Community in Kangra, Himachal Pradesh. *HSOA Journal of Community Medicine and Public Health Care*, 4, 024.

Haque, S. & Singh, R.B. (2017). Air pollution and human health in Kolkata, India: A case study. *Climate*, 5, 77.

Joshep, Z. T. & Anand, S. (2017). Dynamics of Urban Sprawl and Changes in Imphal of Manipur, India. *Space and Culture, India*, 5(2), 69-83.

Kumar, M., Singh, R.B., Pravesh, R., Kumar, P., Tripathi, D.K. & Sahu, N. (2018). Urban Growth Dynamics and Modeling using Remote Sensing Data and Multivariate Statistical Techniques. *Current Science*, 114, 280-291.

Nejad, M.F., Torahi, A., & Rai, S.C. (2017). Comparing the capability of ETM+ and LISS-III imagery in Riparian forest mapping: a case study of Maroon River, Iran. *Lebanese Science Journal*, 18(2), 226-233.

Nigam, G. K., Sahu, R. K., Sinha, M. K., Deng, X., Singh, R.B & Kumar, P. (2017). Field assessment of surface runoff, sediment yield and soil erosion in opencast mines in Chirimiri area, Chhattisgarh, India. *Journal of Physics and Chemistry of Earth*, 101, 137-148

Kumar, N., Anand, S. & Singh, J. (2018). Understanding the status of Food Security: A Case Study of Haryana. *The Horizon: A Journal of Social Sciences*, 9, 1-16.

Pandey, B. W., Kumari, R., Rani, U. & Ranjan, O. J. (2017). Horticulture Development in Himalaya: A Case Study of Lachi gad Watershed, Uttarakhand. *The Horizon*, 8, 153-163.

Pandey, B. W., Negi, V. S., Chandna, V. & Meena, G. (2017). Pre-natal Health Status of Marginal Peasant Women in Lachigad Watershed, Uttarakhand. *The Eastern Anthropologist*, 70 (3-4), 327-343.

- Gautham, P. & Anand, S. (2018). Flash Flood and its Mitigation: A Case Study of Almora, Uttarakhand, India. *Journal of Environmental Hazards*, 1, 1-7.
- Prasad, A. S. & Pandey, B. W. (2017). Climate change, land use and land cover change detection and its impact on hydrological hazards and sustainable development: a case study of Alaknanda River Basin, Uttarakhand, India. *Riscurisi Catastrofe Journal*, 26, 55-68.
- Prasad, A. S. & Pandey, B. W. (2017). Impact Assessment of Natural Hazard on Livelihood Security, Biodiversity and Sustainable Development in Alaknanda river basin Uttarakhand. *The Deccan Geographer*, 55 (1&2), 132-146.
- Sahu, N., Robertson, A., Boer, R., Behera, S., DeWitt, D.G., Kaoru, T., Kumar, M. & Singh, R.B. (2017). Probabilistic Seasonal Stream flow Forecasts of the Citarum River, Indonesia, Based on General Circulation Models. *Stochastic Environmental Research and Risk Assessment*, 31, 1747-1758.
- Sarkar, A., Singh, P. & Rai, S.C. (2018). Modelling LULC change dynamics and its impact on environment and water security: geospatial technology based assessment. *Ecology, Environment and Conservation*, 24, S292-S298.
- Sarkar, A., Singh, P. K., & Rai, S.C. (2017). Assessment of impervious surface growth in urban environment through Remote Sensing estimates. *Environmental Earth Sciences*, 76, 541.
- Sengupta S. & Sen A. (2017). Social Acceptance of Biodegradable Carry Bags in Delhi: Re-designing the 'Say No to Plastic Bags' Campaign. *Open Access International Journal of Science and Engineering*, 2, 41-47.
- Sengupta S., Sarkar, D.U. & Sen, A. (2018). Re-inventing Household Shopping Patterns and Buying Roles: Exploring the 'New Women' in Urban India. *Akademios*, 7, 263-284.
- Singh B.V.R. & Sen, A. (2017). Global Scenario and India's Position in Environment and Sustainable Development). *World Focus*, 65, 111-113.
- Singh B.V.R. & Sen, A. (2018). Geo-Spatial Mapping of Land Use and Land Cover Changes in the Core and Periphery Area of Ranthambore Tiger Reserve, Rajasthan, India, 1975-2015. *Annals of Valahia University of Targoviste. Geographical Series*, 18, 62-67.
- Singh, A., Kumar, K., Pathak, P.K., Chauhan, R.K. & Banerjee, A. (2017). Spatial pattern of fertility and its determinants in India. *Population (E)*, 72(3), 505-526.
- Singh, R.B. (2017). Ensuring clean water accessibility and mitigating water induced disasters-Contributing towards Sustainable Development Goals, *Productivity*, 57(4), 323-331.
- Anand, S. & Kumar, P. (2017). Climate Change and Agriculture Scenario in Bageshwar of Uttarakhand, India. *The Horizon: A Journal of Social Sciences*, 8, 1-187.
- Anand, S. & Gautam, P. & Kumar, H. (2017). Ecohydrological Perspectives of Degrading Baolis during Medieval Period in Delhi: Traditional Practices of Water Management. *Journal of InterEspaco*, 2(6), 143-162.
- Saluja, V & Anand, S. (2017). Land Use and Land Cover Change in first proposed National Geopark, Varkala in Kerala, India. *International Journal of Geoheritage*, 5(2), 33-42.
- W. Pandey, Yadav, A. & Mishra, H. (2017). Ecological Restoration and Livelihood Options through Forestry: A Case Study of Pasolgaad Watershed Uttarakhand. In V.P. Sati and K. C. Lalma Sawmzaava (Eds.), *Natural Resource Management for Sustainable Development and Rural Livelihoods* (pp. 593-603). New Delhi: Today and Tomorrow Printers and Publishers.
- Begum, A. & Saha, A.K. (2017). Facility Management System: A Case Study of University Campus. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives* (pp. 213-225). Springer International.
- Husain, A. & Kumar, P. (2017). Drinking Water and Health related issues: A case study of Patparganj Society, New Delhi. In B.W. Pandey (Eds.), *Water Resources Potentiality Vulnerability and Management: Indian Experiences*, (pp. 166-183). New Delhi: Research India Press.
- Jahangir, S., Nikhil, P.N.N., Bailey, A. & Datta, A. (2018). Contextualizing Elder Abuse and Neglect in Institutional and Home Settings: Case Studies from India. In M. Kapur, S. Dass and S. I. Rajan (Eds.), *Abuse and Neglect of the Elderly in India*, (175-188). Singapore: Springer.
- Mishra, A.P., Sen, A. & Kumar A. (2017). Exploring Potentials and Challenges in Making Smart Cities in India: A Case Study of Allahabad City, Uttar Pradesh. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives*, (pp. 123-142). Springer.

Mondal, B. & Saha, A.K. (2018). Spatio-temporal analysis of mangrove loss in vulnerable islands of Sundarban World Heritage Site, India. In A. Mansourian, P. Pilesjö, L. Harrie and R.V. Lammeren R (Eds.), *Geospatial Technologies for All* (AGILE Conference on Geographic Information Science), (pp. 93-109). Lund: Springer International.

Rai, S.C. & Nagpal J. (2017). An assessment of domestic water use practices in Delhi. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India*, (pp. 445-458). Springer International Publishing.

Sahu, N. (2018). Global Environmental Challenges and Indian Ocean Dipole. In S. Sahdev and M. Kumar (Eds.), (pp. 1-6). *Environmental and Sustainable Development; an Appraisal*, New Delhi: Concept Publication.

Saini, A., & Sahu, N. (2017). Urbanization Induced Air Pollution and its Impact: Cases of Delhi and Seoul. In S. Narsinham and K.D. Young (Eds.), *Forging a Multidimensional Partnership in the 21st Century*, (pp. 123-143). New Delhi: Manak Publication Pvt.

Sen A. & Yadav A. (2017). Re-imaging Post-Industrial Cities: Exploring Newer Identities in Faridabad, Haryana. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives*, Springer.

Singh, R.B., Anand, S. & Saluja, V. (2017). Low Carbon Resilient Delhi Megacity for Sustainable Future Earth. In Y. Himiyama (Ed.), *Exploring Sustainable Land Use in Monsoon Asia*, (pp. 137- 155). Japan: Springer.

Subhash Anand (2017). Perception of Waste Management in Delhi. In B. Thakur, H.S. Sharma, S. Misra, S. Chattopadhyaya and S. Singh (Eds.), *Regional Development: Theory and Practice*, (pp.148-162). New Delhi: Concept Publications Company.

Journal Published in the Department

Annals of the National Association of Geographers, India

Research Projects

B. W. Pandey. British Council International Collaboration: UGC-UKIERI-III Project on "(HiFlo-DAT): Indian Himalayan Flood Database, for Disaster Risk Reduction" between University of Delhi, India and University of Bath Spa, UK (2018-2020).

Praveen K Pathak. Network and global health: experimental evidence of women's social network, reproductive health and well-being in developing countries. University of Delhi and North Eastern University, Boston, USA (2017-2019).

De, A. Funding Agency: ICSSR, Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Sites of Knowledge Construction, (2017-2019).

S.C. Rai. Climate Variability and its Impact on Agro-biodiversity and Livelihood Security in Traditional Farming of the Sikkim Himalaya. This Project is funded by G.B. Pant Institute of Himalayan Environment and Sustainable Development, Kosi-Katarmal, Almora-263643, Uttarakhand, (April, 2018-2021).

Seminars Organised

UGC SAP-DRS III National Seminar on Emerging Frontiers in Resources, Environment, Urban and Regional Planning, Department of Geography, Delhi School of Economics, University of Delhi, December 23-24, 2017.

Seminar/Conferences Presentations

B. W. Pandey (2017). June 30-July 06. Delivered a Keynote Address on "Slope Vulnerability, Mass Wasting and Geo-Hazards: Investigations and Risk Analysis In Alaknanda River Basin, India" (b) Conducted Fieldwork on Geoscience in Ladoga Lake Region in at the 10th International Conference and Summer School on Geology in School and University: Earth Sciences and Civilization organised at the Herzen State Pedagogical University of Russia, St. Petersburg, Russia.

B. W. Pandey (2018) March 16-20. Presented a research paper on "Slope Vulnerability, Mass Wasting and Geohydrological Hazards in Himalaya: A Case Study of Alaknanda River Basin Uttarakhand." In Earth System Sciences (ESS) of 105th Indian Science Congress (ISC), at University of Manipur, Imphal.

Bhairannavar, K. (2017) Post-colonial sexualities and everyday sexual urbanisms: A case study of Delhi' presented in (Post) colonial knowledge and the making of Asian urbanism session at the 'Annual International Conference 2017 of the Royal Geographical Society (with IBG)', London, United Kingdom,

Datta Anindita (2018) Participated in 'Genderscapes of Hate: Contextualizing Gender, Space and Harm in India', Plenary Session: Social and Spatial Integration and Global Citizenship 12th RSAI World Congress, Organised by Regional Science Association International at BITS Pilani Goa Campus on 30th May 2018.

De, A (2017) Mapping Fear and Violence in Public Spaces”, presented at Public Spaces and Everyday Narratives of Violence amongst Vulnerable Gender Groups: Towards Inclusive Policy Frameworks, Gender and Economic Policy Forum organised by ISST and Heinrich Boll Foundation held at India Habitat Centre.

De, A (2017) Post-Colonial Knowledge and City Building in Asia”, presented at RGS – IBG Annual International Conference, 2017, held at Royal Geographical Society, London.

De, A (2017) Kolkata in Calcutta: The Post-colonial Knowing of the Colonial Past”, presented at 6th French Network for Asian Studies International Conference, held at Sciences Po.

Pankaj Kumar(2017) delivered invited speaker talk on the topic “Spatial Information System for Sustainable Development Goals” in the International Training Workshop on Scientific Big Data Sharing and Publication for Developing Countries during October 16th –November 4th, 2017, Beijing, China.

S. C. Rai, (2017) Mentor, INSPIRE Internship Science Camp, held at Arunachal University, Namsai, Arunachal Pradesh from 30th Jan.-3rd Feb, 2017. Delivered one lecture.

Sengupta Soma and Sen Anjan(2017) Social Acceptability of Energy Efficient Lighting: Inequalities in the Emergence of Smart Societies.7th Nordic Geographers Meeting 2017 on “Geographies of Inequalities”at Stockholm, Sweden.

Subhash Anand (2018) Participated and Co-Chaired a session on Urban Waste Management in National Seminar on Urban Environment in the 21st Century: Issues and Challenges, 27-28 March, 2018, JMI, New Delhi.

Subhash Anand (2018) Participated by Co-Charing a session on Sustainable Agriculture in National Conference on Climate Change: Sustainable Agriculture and Environment 17 March, 2018, AMU, Aligarh.

International MoUs Signed

Other Inter-Institutional Collaborations

- S. C. Rai: Member, Board of School of Extension and Development Studies (SOEDS), Indira Gandhi National Open University, New Delhi from December 2017 to November 2019.
- S. C. Rai: Member, Board of Studies, Department of Geography, The IIS University, Jaipur, from July 2017-June 2019.
- S. C. Rai: Member, Post Graduate Board of Studies in Geography, Kurukshetra University, Kurukshetra, Haryana (two years) from 11th December 2017 to 10th December 2019.
- B. W. Pandey: Executive External (International) Member of the Advisory Board the Afromontane Research Unit (ARU) Advisory Board, University of the Free State, (UFS) QwaQwa Campus, South Africa. Private Bag X13, Phuthaditjhaba, 9866 Republic of South Africa

Placement Details

Department of Geography coordinates with Central Placement Cell of Delhi University.(Mention the number of placements of department students, if any)

Extension and Outreach Activities

- Bhairannavar, K. ‘Qualitative Research in Social Sciences’ and ‘Sexuality, Identity and Pluralism at the 10- Day Capacity Building Programme for Faculty and Research Scholars of Social Sciences organised by Giri Institute of Development Studies, Lucknow, 10-19th February 2018.

Number of M. Phil/Ph. D. Degree Awarded

Ph. D. : 10

M. Phil. : 19

Faculty Strength : 12

HISTORY

Major activities and achievements

One of the founding departments of the University, the History Department is currently a Centre of Advanced Studies with thirty-one faculty members. They are renowned as thinkers and contributors to the global discipline of History, and as specialists in their respective domains of research. The Department has a Computer Centre, Department Library and Department Museum with an extremely rare collection of miniatures, manuscripts and artefacts. Our MA and MPhil programmes are one of the most rigorous in India and three-five students annually secure full fellowships to top ranked international Universities. In 2017-18 our faculty gave key note addresses in National and International fora; together with Harvard University we organised an International conference, "Empires: Towards a Global History". The Department's Seminar Series had fourteen speakers in 2017-18; we have started two discussion-centred events called "Baithak" and "Kitabhana". History Research Scholars organised the sixth Annual "Research Students Conference" a national gathering of research students.

Outstanding Honours/Distinctions

National

Charu Gupta, 'Subaltern Sexualities and Vernacular Archives', Keynote Address at the Ashoka University & OP Jindal Global University History Workshop, Haryana, 9 September 2017.

Jafri, Sayyid Z.H. (2017). General Presidential Address), XXXII Annual Session of Rajasthan History Congress. "Migration, Settlements and Adaptations: Making of the 'elite culture' and the Dissemination of Knowledge in Rajputana up to Pre-Colonial times" 22nd-24th December 2017.

Kumar, Sunil, Keynote lecture, "Time and its didactic possibilities: Sijzi's Fawā'id al-Fu'ād and the fourteenth-century Chishtiyya". XXXVI Dr. M.A Ansari Memorial Lecture, Department of History and Culture, Jamia Millia Islamia, 15th February. 2018

Kumar, Sunil, Presidential Address, Medieval India Section, Indian History Congress, Jadavpur, "History and the Fourteenth Century Chishtiyya", 28th December 2017.

Malhotra, Anshu *Piro and the Gulabdis: Gender, Sect and Society in Punjab* (New Delhi: OUP, 2017) won the Hari Ram Gupta Award for the best Book by a Woman Historian, awarded by the Indian History Congress, 2017.

Singh, Upinder. Inaugural Professor S. N. Roy Memorial Lecture "The violence of the state: perspectives from ancient India," in the Allahabad Museum. April 6, 2018.

Singh, Upinder. Keynote address titled "Looking beyond India to Asia" at the Prof. Achuta Rao Memorial National Conference on 'Ancient India: Identities, Boundaries, Cultural Practices,' held at the Manipal Academy of Higher Education. Dec. 26, 2017.

International

Gupta, Charu. Apr-Jun 2017, Visiting Professor and ICCR Chair, Institute of South Asian, Tibetan and Buddhist Studies, University of Vienna, Austria.

Jafri, Sayyid Z.H. Keynote Address, 'Migration, Refugees, and Dissemination of Knowledge: Expansion of 'Islamic Culture' and the 'Migrant Elite' at International Conference on Forced Migration and Refugee Studies: Issues Shifting Paradigm and, organised by the Department of History and Civilization, International Islamic University of Malaysia, Kuala Lumpur (ICMR-2017), 5th-7th December, 2017.

Jain, Shalin. CST Library Scholar, Claremont School of Theology, Claremont, California, USA.

Publications

Aquil, R. (2017). *Lovers of God: Sufism and the Politics of Islam in Medieval India*. New Delhi: Manohar.

Aquil, R. (2017). *The Muslim Question: Understanding Islam and Indian History*. paperback, New Delhi: Penguin Books.

Gupta, C. (2017), *The Gender of Caste: Representing Dalits in Print*, Ranikhet: Permanent Black.

Jain, S. (2017) *Identity, Community and State: The Jains under the Mughals*. New Delhi: Primus Books.

Singh, U. (2017). *Political Violence in Ancient India*. Cambridge: Harvard University Press.

- Singh, U. (2017). *Portraits of Power: Asoka and Kautilya; Samudragupta and Raghu*. Patna: K. P. Jayaswal Research Institute.
- Singh, V. (2018). *Speaking Rivers: Environmental History of a Mid-Ganga Flood Country, 1540-1885*. Delhi: Primus Books.
- Gupta, C. & Sharma, M. (2018). *Contested Coastlines: Fisherfolk, Nations and Borders in South Asia, (Rep.)*. New Delhi: Routledge.
- Malhotra, A., Williams, T. & Hawley, J. S. (Eds.). (2018). *Text and Tradition in Early Modern North India*. Delhi: Oxford University Press.
- Dakani and the Transformation of Urdu as a Language of Literature. In M. N. Bari & H. M. Maheshwariah (Eds.), *Deccan: Culture, Heritage and Literature*, (pp. 410-423). Delhi: Manak Publications.
- Deshpande, A. (2017). Past, Present and Oral History. *Economic and Political Weekly*.
- Deshpande, A. (2017). 'The Indian Fort as Site of Intersections'. In R. Seshan (Ed.), *Narratives, Routes and Intersections in Pre-Modern Asia*. London and New York: Routledge.
- Deshpande, A. (2018). Locating Syed Ahmad Khan in Colonial India. *Forward Press*.
- Deshpande, A. (2018). Tiger by the Tail: Demobilization of the Indian Army of War, 1918-1923. In A. Jeffreys (Ed.), *The Indian Army in the First World War*. Solihull Helion and Company.
- Govind, R. (2017). The King's Plunder, the King's Justice: Sovereignty in British India. *Studies in History*, 33(2), 151-186.
- Govind, R. (2018). Ambedkar's lessons, Ambedkar's Challenges: Hinduism, Hindutva and the Indian Nation. *Economic and Political Weekly*, 53(4), 80-92.
- Gupta, C. (2017), Representing Dalit Bodies in Colonial India. In M. Ciotti (Ed.), *Unsettling the Archetypes: Femininities and Masculinities in Indian Politics*, (pp. 56-93). New Delhi: Women Unlimited.
- Gupta, C. (2017), Speaking Self, Writing Caste: Recovering the Life of Santram BA'. *Biography: An Interdisciplinary Quarterly*, 40(1), 16-43.
- Gupta, C. (2018), Challenging Caste, Doing Gender: Paradoxes of Male Writings in North India. In R. Chowdhury and Z. A. Baset (Eds.), *Men and Feminism in India*, (214-36). Oxon and New York: Routledge.
- Gupta, C. (2018), Domestic Anxieties, Recalcitrant Intimacies: Representation of Servants in Hindi Print Culture of Colonial India, *Studies in History*, 34(2), 141-63.
- Gupta, C. (2018), Imaging Dalit Identities: Performing Femininities and Masculinities in Early Twentieth Century'. In A. Rao (Ed.), *Gender, Caste and the Imagination of Equality*, (pp. 154-72). New Delhi: Women Unlimited.
- Gupta, C. (2018), Paradoxes of Victimhood: Dalit Women's Bodies as Polluted and Suffering in Colonial North India. In E. Rashkow, S. Ghosh and U. Chakrabarti (Eds.), *Memory, Identity and the Colonial Encounter in India: Essays in Honour of Peter Robb*, (pp. 110-131). New Delhi and London: Routledge.
- Gupta, C. & S. Shankar (2017). My Birth is My Fatal Accident: Introduction to Caste and Life Narratives. *Biography: An Interdisciplinary Quarterly*, 40 (1), 1-15.
- Gupta, V. (2017). Cultural Marginality and Reproduction of Stereotypes: An Insider's View on Practices of School. In M. K. Tiwary, S. Kumar and A. Mishra (Eds.), *Social Diversity, Inclusive Classroom and Primary Education in India*. New Delhi: Orient Blackswan.
- Gupta, V. (2017), *Macaulay se Pare*. In H. K. Dewan, R. K. Agnihotri, A. C., V. D. Sudhir and R. Dwivedi (Eds.), *Macaulay, Elphinstone Aur Bhartiya Shiksha*. New Delhi: Vani Prakashan.
- Gupta, V. (2018), Bhaurao Patil's Educational Work and Social Integration. *Inclusive*, 1(12)
- Jafri, Z. H. S. & Khan, M. T. (2017). Endowments, Grants, and Charities in Medieval India: A Case Study of Mahabodhi Temple. In A. Singh (Ed.), *Dana: Reciprocity and Patronage in Buddhism*, (pp. 48-62). Delhi: Primus.
- Jafri, Z. H. S. (2017). *Ma'afidars* and the Institutions of Learning in Colonial Bengal. *Vidyasagar University Journal of History*, 59-70
- Jafri, Z. H. S. (2017). Making of the Composite Culture in Pre-Nawabi Awadh'. *Proceedings of the Indian History Congress*, 77th Session, University of Kerala. Aligarh, 142-153.

- Jafri, Z. H. S. (2017). The issue of religion in 1857: Three documents'. *Studies in People's History*, Special Issue State and Religion in India, 4(1), 77-90.
- Jafri, Z. H. S. (2017). Migration, Settlements and Adaptations: Making of the 'elite culture' and the Dissemination of Knowledge in Rajputana up to Pre-Colonial times. *XXXII Annual Session of Rajasthan History Congress*. Jaipur: SS Jain Subodh, PG (Autonomous) College.
- Jafri, Z. H. S. (2018). The Mughal-Nawabi Legacy under 'Siege' in the Age of Empire (1860's-1880s): Familial Grants and the *Waqf* of Khanqah-e Karimia, Salon, India. In M. Toru (Ed.), *Comparative Study of the Waqf from the East: Dynamism of Norm and Practices in Religious and Familial Donations*, (pp.191-216). Tokyo: The Toyo Bunko.
- Kumar, S. (2017). Transitions in the relationship between political elites and Sufis: the 13th and 14th century Delhi Sultanate. In N. Karashima (Ed.), *State Formation and Social Integration in Pre-modern South and Southeast Asia: A Comparative Study of Asian Society*, (pp.203-238). Tokyo: Toyo Bunko
- Kumar, S. & Lata (2017). Idea of India: Mahatma Phule and Ambedkar, *Swaraj Prakashan*.
- Mahapatra, P., Joshi, C., & Rana, P.B. (2018). "Dialogues across Borders. In K. H. Roth, Brill, Leiden and Boston (Eds.), *On the Road to Global Labour History*.
- Mahapatra, P. (2018). On Home, Work and Personhood. In F. Henstchke (Ed.), *to be at Home: House, Work and Sel*. Oldenberg: De Gruyter.
- Malhotra, A. & Williams, T. (2018). In T. Williams, A. Malhotra and J. S. Hawley (Eds.), *Text and Tradition in Early Modern North India*. New Delhi: Oxford University Press.
- Misra, S. (2017). Review of Madhumita Sengupta, *Becoming Assamese: Colonialism and New Subjectivities in Northeast India*. *Economic and Political Weekly*, 52 (44).
- Shah, S. (2017). Articulation, Dissent and Subversion: Voices of Women's Emancipation. *Sanskrit Literature*, 45 (9-10).
- Shah, S. (2018). Review of Smita Sahgal, *Niyoga: Alternative Mechanism to Lineage Perpetuation in Early India*. *Indian Journal of Gender Studies*.
- Singh, U. (2017). 'Storage' and 'display: Third World Perspectives and Practices. In M. Brusius and K. Singh (Eds.), *Museum Storage and Meaning: Tales from the Crypt*. London and New York: Routledge.
- Singh, U. (2017). "Early remains in the Delhi Aravallis." *Land Art* (India Habitat Centre's Art Journal).
- Singh, V. (2017). "Modern Acts, Conservation of Fish and Colonial Interest: Inland Fisheries in Mid-Ganga Diara Ecology, India". In A.M. Song, S.D. Bower, P. Onyango, S.J. Cooke and R. Chuenpagdee (Eds.), *Inter-Sectoral Governance of Inland Fisheries*, St John's: TBTI Publication Series.
- Singh, V. (2018). "Intersectorality in the Governance of Inland Fisheries". *Ecology and Society*, 23(2), 17.
- Singh, Vipul (2018). "Where Many Rivers Meet: River Morphology and Transformation of Pre-Modern River Economy in Mid-Ganga Basin, India". In E. Vaz, C. Joanaz and L. M.C. Pinto (Eds.), *Environmental History in the Making*. Switzerland: Springer International Publishing.
- Zou, D.V. (2017). "Embracing new gods: The process of religious change in Northeast India". In S. Nag and I. Alam (Eds.), *Blending Nation and Region*, Delhi: Primus Books/Ratna Sagar.
- Zou, D.V. (2018). "Vai phobia to Raj nostalgia: *Sahibs*, chiefs and commoners in colonial Lushai Hills". In L. Dzuvichu and M. Baruah (Eds.), *Modern Practices in North East India: History, Culture, Representation*, (pp. 119-143) London and New York: Routledge.

Research Projects

International

- Dr. Vipul Singh 2016-2020. Project partner in Simone Müller (PI) DFG Emmy-Noether Research Group "Hazardous Travels. Ghost Acres and the Global Waste Economy", Rachel Carson Center, Munich (Germany)
- Dr. Shalin Jain, CST Library Scholar, 2015-17, Claremont School of Theology, Claremont, California, USA
- Prof. Amar Farooqui and Dr. Prabhu Mahapatra, 2016 -- Weatherhead Initiative on Global History, Harvard University, Delhi University and others in The Global History Network

Seminars Organised by Department: 14

Ten Selected Seminars, Department of History, University of Delhi, 2017-2018

Professor John Cort, Professor, Denison University

“No One Saves like the Guru’: Images of the True Guru in Jainism.” 3rd November 2:30 PM, Committee Room

Dr Shahana Bhattacharya, Associate Professor, Kirori Mal College, Delhi University.

“Transforming skin, changing caste: Technical Education in Leather Production in India, circa 1900-1950”. 15th November, 2:30 PM, Committee Room

Professor Robert P Goldman, CMEAS, University of California Berkeley

Murderous Rage, Collective Punishment and Ultraviolence in Vyasa’s Mahabharata. 10th January 2018, 3:00 pm, Room 6, Social Sciences Building Annexe.

Dr. Ryosuke Furui, Associate Professor at the Institute for Advanced Studies on Asia at the University of Tokyo

“Changing Structure of Political Powers in South Asia: Bengal from the Fifth to Thirteenth Century”. 12 January 2018, 3:00 PM, Committee Room

Dr Anish Vanaik, Assistant Professor, Dept. of Law, Jindal Global University.

“Lineages of the Housing Question in Colonial Delhi, 1911-47”. 7 February 2018, 3:00 PM, Committee Room

Professor P.K. Dutta, Professor, Political Science, JNU.

“The Distinctiveness of Tagore’s idea of the Global”. 28 February 2018, 3:00 PM, Committee Room

Dr Devesh Vijay, Research Fellow, CSDS, New Delhi.

“From Colonial Rule to Panchayati Raj: Changing Materialities in a North Indian Village circa, 1914-2014”. 21 March 2018, 3:30 pm, Committee Room

Maya Jasanoff, Coolidge Professor of History at Harvard University

“When History Meets Literature: Tracing the Life and Times of Joseph Conrad”. 28 March 2018, Committee Room.

Ravi Ahuja, head of the research group ‘Modern Indian History’ at the Centre for Modern Indian Studies (CeMIS) of Georg-August-University Göttingen.

“The ‘Natives’ of the S. S. ‘Egypt’: Writing about steamship labour and racial Management in the British Empire”. 3rd April 2018, Committee Room.

Anand Taneja, Vanderbilt University, USA

“Snakes, Jinns, and Other Muslim Saints: Unusual Intimacies and Ethical Life in the Medieval Ruins of Delhi”. 11th April 2018, Committee Room.

Conferences Organised: 7 (seven)

TWO kinds of activities: Conferences, AND Baithaks -- Kitabkhanas

CONFERENCES

1) 7th of November, Room No 6, Annexe Building:

Workshop on *Revolution and Marxism*, History Department Seminar Series, organised by Drs. Sanghamitra Misra and Rahul Govind.

2) 3rd- 5th December, Room No 6, Annexe Building:

International Conference on “Empires: Towards a Global History”

Funding from the Weatherhead Initiative on Global History, Harvard University, The Global History Network and the University of Delhi

3) 13-15 March 2018

Research Students Conference and Dr. Azees Tharuvana's talk and documentary screening: 'Adivasi Ramayanas': *Funding from Primus Publishing House*

B) Baithak and Kitabkhana; Discussion Series, Department of History, Delhi University

1) 24th November, Baithak, Committee Room:

3: 00 – 5:00 PM: Baithak with Prof. Upendra Baxi. The readings for the event will be circulated.

2) 13th December, Committee Room: The readings for both events will be circulated.

1: 30 – 3: 00 PM: Baithak with Dr Prachi Deshpande

3: 30 – 5: 00 PM: Baithak with Professor Sanjay Subrahmanyam.

3) 23 February 2018, 3:00 – 5:00 PM, Committee Room: *Kitabhkhana* book discussion: Shalin Jain, *Identity, Community and State: The Jains under the Mughals*, New Delhi: Primus 2017.

Interlocutors: 1) Manisha Sethi, Centre for Comparative Religions and Civilizations, Jamia Millia Islamia, New Delhi; 2) Chandraneev Das, MA Final, Medieval History, Delhi University.

4) 4 April 2018, 3:00 – 5:00 PM, Committee Room: *Kitabhkhana* book discussion: Anirudh Deshpande, *Hope and Despair: Mutiny, Rebellion and Death in India*, New Delhi: 1946, Primus 2016

Interlocutors: 1) Amar Farooqui, Department of History, Delhi University. 2) Kriti Tripathi, MA Final, Modern Indian History, Delhi University

Seminar and Conference Presentations by Department Colleagues:

National: 57 (fifty-seven)

Ahmad, Saifuddin presented on 'Kabir in Urdu-Muslim Tradition' in International Seminar on Kabir: Different Perspectives, Atma Ram Sanatan Dharma College, University of Delhi, 30-31st January, 2018.

Ahmad, Saifuddin presented on "Urdu Literary Culture in Eighteenth-Century North India" in the Department of History, Zakir Husain P. G. (E) College, University of Delhi (27th March, 2018)

Deshpande, Anirudh presented a paper at Dr. Alka Rani Memorial Lecture in Vivekananda College, Delhi University on 'Colonialism and the long term Historicization of the Modern Indian Mind', 4 January, 2018.

Deshpande, Anirudh. Special Lecture in Centre for Historical Studies, JNU on 'Cinema and the Historian', 27 February, 2018.

Deshpande, Anirudh. Special Lecture in Satyavati College, Delhi University on 'Theories of Fascism', 9 November, 2017.

Deshpande, Anirudh. Special Lecture on 'Contemporary Relevance of Shaheed Bhagat Singh', Center for Shaheed Bhagat Singh Studies and Research, History Department, Bhagat Singh College, Delhi University, 5 April, 2018.

Dhar, Parul Pandya. 2018 presented a paper on "Resurrecting a Unique Torana from Phanigiri, Telangana" *Second international conference, Telangana through Ages: Perspectives on the Ancient and Medieval Periods* at Department of Archaeology and Museums, Hyderabad. January 19-20, 2018.

Gupta, Charu on 'Reclaiming Women's Voices: A Historical Perspective', Invited as a Speaker in a Panel Discussion, History Association, Daulat Ram College, Delhi University, 15 January 2018.

Gupta, Charu on 'Sannate mein Aawaaz: Aupniveshik Uttar Bharat mein Hindi Print Sanskriti, Stri aur Abhilekhagaar [Voice in Silence: Hindi Print Culture, Women and Archives in Colonial North India] [in Hindi], Invited paper at a National Workshop on 'Samkaleen Bharat mein Stri: Sandarbh aur Sambhavnaein' [Women in Contemporary India: Context and Possibilities], organised by CWDS, Delhi, 8-9 December, 2017.

Gupta, Charu on 'Subaltern Sexualities and Vernacular Archives', Invited Keynote Address at the Ashoka University & OP Jindal Global University History Workshop, Haryana, 9 September 2017.

Gupta, Charu on 'Travel and Masculinity in the Vernacular: Writings of a Pracharak', Invited Lecture in Sociological Research Colloquium, Department of Sociology, University of Delhi, 23 March 2018.

Gupta, Vikas. 'Colonial State and the Formation of Modern Teacher in India', Plenary Lecture Delivered in XLI Indian Social Science Congress on the Focal Theme "Our University Education System : A Critical Appraisal" Held, on December 18th to 22, at Periyar University, Periyar Palkalai Nagar, Salem, Tamil Nadu, India.

Gupta, Vikas. 'Colonial Transformations in Teacher Practices, Historic Critics and Contemporary Relevance', Lecture delivered in the National Symposium on 'History Education: Perspectives and Possibilities from the Field', Organised by the Department of Education (CIE), University of Delhi, on Saturday, 24th March, 2018.

Gupta, Vikas. 'Human Rights and Disability Laws in India', lecture delivered in a seminar on Human Rights organised by the Department of Political Science, Daulat Ram College, University of Delhi: 8th February.

Gupta, Vikas. 'National Policy on Education, 2016', lectured delivered in a seminar organised by the American India Foundation, New Delhi, 24-26 April.

Gupta, Vikas. 'rights of disabled and disability laws in India', lecture delivered in a workshop on 'Laws and Rights', Organised by The Department of Political Science, Gargi College, Delhi University, New Delhi: 4th February.

Gupta, Vikas. 'The Pedagogy of Ordering in Colonial India, Teacher and the Challenges: Perspectives from Four Educationists of 19th and early 20th Century', paper presented in a conference on teacher education, organised by Ambedkar University (Delhi) and Azim Premji Foundation, New Delhi: 23-25th May.

Gupta, Vikas. participated in the panel discussion cum interactive session on 'Progressive Opportunities for Persons with Disabilities (Divyangjan)', organised by Satyawati College, Delhi University: 17th February.

Gupta, Vikas. 'Schooling, Social Justice and Egalitarianism: Transnational Historical Survey and Neoliberal Trends', Paper presented at the International Conference on "Educational Policy Shifts in Neo-Liberal Times: Core Concerns and Critical Issues", Organised by Gargi College, Delhi University on 14-15 September.

Jafri, Sayyid Z.H. presented on 'Adjustments, Accommodation and Adaptations : Chishti Sufis and Indian Linguistic & Ritualistic Traditions' in an International Conference on *Sufism and Social Harmony*, Centre for the Study of Society and Secularism, Mumbai, 22nd-23rd February, 2018

Jafri, Sayyid Z.H. presented on 'Contextualizing 'Sir Syed Ahmad Khan's Perceptions on the Uprising of 1857: A re-reading of *Asbab-i Baghawat-i Hind*', Sir Syed Bicentenary Celebrations on '*Sir Syed Ahmad Khan: His Vision and Legacy*', Centre of Advance Study & Sir Syed Academy, Aligarh Muslim University, 21-22 November, 2017

Jafri, Sayyid Z.H. presented on 'Making of 'Indo-Islamic Intellectual Tradition' in Upper Gangetic Valley: Migrations, Settlements, Adaptations and the 'Decline'' (Professor Radhey Shyam Memorial Lecture), 28th Annual Session of U.P. History Congress, 18-19 November 2017, Mohammad Hasan Post-Graduate College, V.B.S. Purvanchal University, Jaunpur (UP)

Jafri, Sayyid Z.H. presented on 'Materials and Intellectual Discourse: A study of the Persianate Societies and Indian Subcontinent', presented in the panel on *India and Iran: Exchanges in the Realm of Ideas and Material Culture*, Aligarh Historian Society, 78th Annual Session of Indian History Congress, University of Jadavpur, Calcutta, 29th-30th Decembe, 2017

Jain,Shalin. presented on "Delhi Jo Ek Shahar Tha: Vyapar aur Bazaar Ka" in the National Seminar *The Changing Cultural Narratives of Delhi : Through the Ages*, organised by the Department of History, Rajdhani College, University of Delhi, 19-21 March, 2018.

Jain,Shalin.presented on "Kings and Chronicles: The Mughal Court" in the National In Service Training course for Post-Graduate Teachers (History) organised by Kendriya Vidyalaya Sangathan, Kendriya Vidyalaya, Rohini, New Delhi, 17th -28th May, 2018.

Jain,Shalin. presented on "Locating South Asian 'Individual' within 'Medieval': The Case of Jain Heterodoxy, 1470s-1770s" in Conference on *Debating the 'Early Modern' in South Asian History*, Ashoka University, Haryana, 9-10 February, 2018.

Jain,Shalin. presented on "The City of Parshava: Banaras in Jain Narratives" in the two days National Seminar on the '*The Holy' City of Banaras Through the Ages*, organised by the Department of History, Shyamlal College, University of Delhi, 12-13 March, 2018.

Kumar, Sunil. presented on "History and the Fourteenth Century Chishtiyya". Presidential Address, Medieval India Section, Indian History Congress, Jadavpur, 28th December 2017.

Kumar, Sunil. "Time and its didactic possibilities: Sijzi's Fawā'id al-Fu'ād and the fourteenth-century Chishtiyya". Keynote Address, XXXVI Dr. M.A Ansari Memorial Lecture, Department of History and Culture, Jamia Millia Islamia, 15th February. 2018.

Malhotra,Anshu. 'A Microhistory from Punjab: Piro and the Gulabdasis': Lecture presented in the National Seminar on 'Indian History: Multiple Locations' at Shivaji College, University of Delhi, 5-6th April 2018. (Lecture on 5th April).

Malhotra,Anshu.'Call me Feminist: Speaking as a Feminist Historian' – Lecture delivered at *Colloquy*

2018, History Conference and Festival at Hindu College, University of Delhi, 23rd Feb. 2018.

Malhotra, Anshu. 'Expressing the Self Through Emulation, Allegory and Allusion in Piro's *Kafis*' – A talk given at the Golden Jubilee celebrations at the Gargi College, University of Delhi, on 24th October 2017.

Malhotra, Anshu. 'Gender in the Matrix of Power, Love and Hate: Reading Piro's *Kafis*' – A talk given at the *Tathastu festival of the History Association of the Janki Devi Memorial College, University of Delhi*, on 27th October 2017.

Malhotra, Anshu. 'Relating (to) the Past: Piro in Many Hues' – Seminar presentation in the Department of Humanities and Social Sciences, at the Indian Institute of Technology (IIT) Delhi, on 3rd April 2018.

Malhotra, Anshu. 'Telling Tall Tales: Storying the Self and Others' Stories' – A talk given at the '*Khazana-i-Tarikh*' festival of the History Association of the Indraprastha College for Women, University of Delhi, on 3rd April 2017.

Malhotra, Anshu. In the panel on book discussion of Neera Burra (ed.), *A Memoir of Pre-Partition Punjab: Ruchi Ram Sahni, 1863-1948*, New Delhi: Oxford University Press, 2017, at Bhai Vir Singh Sahit Sadan, New Delhi, 28 October 2017.

Misra, Sanghamitra presented on "The Sovereignty of Political Economy: The Garos in the Pre Conquest Era", Nehru Memorial Museum and Library, New Delhi, 21st July, 2017.

Misra, Sanghamitra presented on "The Sovereignty of Political Economy: The Garos in the Pre Conquest Era", Nehru Memorial Museum and Library, New Delhi, 21st July, 2017

Misra, Sanghamitra presented on 'Ordering and Orienting Spaces: the Ecology of British Imperialism', St Stephen's College, University of Delhi, 21 February 2018

Misra, Sanghamitra presented on 'The Garos: Becoming 'Savage' under Colonial Modernity', Department of History, University of Delhi, 25 October 2017.

Rai, Santosh Kumar presented on "A Civil Rights Activist in a Colonized Agrarian Society: Gandhi in Champaran and Beyond" in the National Conference on "Champaran 1917: Context and Impact" organised by and held at Nehru Memorial Museum and Library, New Delhi, 27-28th April, 2017.

Rai, Santosh Kumar presented on "Banaras of Weavers: Localities and Histories of Weaving", in the two days National Seminar on the 'The Holy' City of Banaras Through the Ages, organised by the Department of History, Shyam Lal College, University of Delhi, 12-13 March, 2018

Rai, Santosh Kumar presented on "Gandhiji in Champaran: A Journey to Mahatamahood", on the centenary celebration of 'Champaran Satyagraha' organised by and at National Fertilizers Limited, Corporate Office Noida, 18-04-2017.

Rai, Santosh Kumar presented on "The Community of Practice and Forms of Knowledge: Handloom Weavers in Early Twentieth Century United Provinces, India" in XIIth International Conference on Labour History, 'The Future of Work in the Mirror of the Past', Organised by V.V. Giri National Labour Institute, Noida & Association of Indian Labour Historians, March 26- 28, 2018.

Santosh Kumar Rai presented on "Needling a dream: Some aspects of embroidery industry in colonial United Provinces" in two days Textile and Clothing Research Centre (T C R C) National Seminar 'Threads for Adornment', India International Centre, New Delhi February, 10-11, 2018.

Shah, Shalini presented on 'Engendering the Material Body: A Study of Sanskrit Texts' at Centenary seminar on 'Writing Social and Economic History: Issues and Perspectives', Department of AIHC, University of Calcutta, March 8, 2018.

Shah, Shalini. Visiting faculty to deliver 3 lectures under UGC SAP-DRS-II programme at the University of Dibrugarh, 21-23 March, 2018.

Shah, Shalini presented on Women's Agency as Reflected in Sanskrit Literature, Golden Jubilee Conference on Writing Women's History: Locating visibility, Voices and Agency, Gargi College, University of Delhi, 24-25 October 2017.

Singh, Upinder presented on "Ancient India in an Asian Frame," National Museum, May 18, 2018

Singh, Upinder presented on "Early historic Nagarjunakonda: A 'Buddhist site' in Indian and Asian contexts," in an international conference on 'From Vijayapura to Śrīkṣetra? The beginnings of Buddhist exchange across the Bay of Bengal,' organised by the École française d'Extrême-Orient, Pondicherry. Aug. 1-4, 2017.

Singh, Upinder presented on “Politics and violence: ancient debates on a perennial problem” at the 29th mid-year meeting of the Indian Academy of Sciences, at Mysuru. June 29th, 2018.

Singh, Upinder presented on “Politics, violence and nonviolence in ancient India” in the Department of Humanities and Social Sciences, IIT Delhi. April 17, 2018.

Singh, Upinder presented on “Politics, Violence and Nonviolence in ancient India,” at the Centre for Comparative Politics, Jawaharlal Nehru University. Feb. 5, 2018.

Singh, Upinder presented on “The violence of those who rule: views from ancient India,” at O. P. Jindal Global University and via Skype to LUMMS in Lahore. April 13, 2018.

Singh, Upinder. Inaugural Professor S. N. Roy Memorial Lecture “The violence of the state: perspectives from ancient India,” in the Allahabad Museum. April 6, 2018

Singh, Upinder. Keynote address titled “Looking beyond India to Asia” at the Prof. Achuta Rao Memorial National Conference on ‘Ancient India: Identities, Boundaries, Cultural Practices,’ held at the Manipal Academy of Higher Education. Dec. 26, 2017.

Singh, Vipul (2017). Inaugural address titled “Eco-historic Heritage and Watershed in Environmental History” in National Workshop on Networking on Eco-historic and Cultural Heritage of India at Lady Doak College, Madurai.

International: 18 (eighteen)

Dhar, Parul Pandya. 2018 presented on Icons in Translation: Reimagining the pantheon across India and Southeast Asia. 5TH AINTT, ASEAN-INDIA international conference, Bangkok, January 5-7, 2018.

Dhar, Parul Pandya. 2018. Presented on The Mediation of the Object: Iconographies of Travel Across the Indian Ocean. CAA-Getty Alumni International Panel, CAA Los Angeles: Border Crossings: The migration of art, people and ideas. February 23, 2018.

Gupta, Charu. ‘Deferential and Defiant Bodies: Imaging Dalits in Colonial North India’, Paper presented at an International Conference on ‘The Body in Colonial India’, at University of Kassel, Germany, 9-10 June 2017.

Gupta, Charu. ‘Dread and Desire: Hindu Masculinities, Muslim Sexualities and Recalcitrant Romances in Modern India’, Invited Public Lecture, sponsored jointly by Department of Asian Languages and Cultures, Department of History, Asian Studies Program, and Chabreja Center for Historical Studies, at Northwestern University, USA, 11 October 2017.

Gupta, Charu. ‘Good Woman, Bad Woman: Reforms and Education in Colonial India’, Invited Public Lecture at the Indian Embassy in Vienna, 25 May 2017

Gupta, Charu. ‘Love Taboos: Hindus, Muslims and Moral Panics’, Invited Public Lecture at the ‘India Remixed: A Global Arts and Humanities Festival’, Indiana University Bloomington, USA, 7 March 2018.

Gupta, Charu. ‘Masculine Vernacular Histories of Travel in Colonial India: The Writings of Satyadev Parivrajak’, Paper presented at an International Symposium on ‘Literary Sentiments: Telling Lives in the Vernacular’, The Global Humanities Initiative at Northwestern University, USA, 13-14 October 2017.

Gupta, Charu. ‘Pasts and Presents of Communal Fantasies and Moral Panics’, Invited Lecture by the Committee on Southern Asian Studies at the University of Chicago, USA, 12 October 2017

Gupta, Charu. ‘The Gender of Caste: Representing Dalits in Print’, Invited Annual ICCR Chair lecture and discussion on my book, at the University of Vienna, 2 June 2017.

Jafri, Sayyid Z.H. ‘The Migrant Sufis from ‘Persianate World’ to the Indian Sub-continent: Dissemination of knowledge and the formation of ‘Indo-Islamic Culture’ in a seminar on, *Asian Cultural Dialogues on Cultural Diversity and Cooperation*, Ferdowsi University, Mashhad, Iran, 12-16 January, 2018

Jafri, Sayyid Z.H. Delivered Keynote Address, ‘Migration, Refugees, and Dissemination of Knowledge: Expansion of ‘Islamic Culture’ and the ‘Migrant Elite’ at International Conference on Forced Migration and Refugee Studies: Issues Shifting Paradigm and, organised by the Department of History and Civilization, International Islamic University of Malaysia, Kuala Lumpur (ICMR-2017), 5th-7th December, 2017, (printed in the Conference bulletin, pp. 14-19)

Jain, Shalin. “Medieval Religious Communities and Environmental Concerns in Medieval India” in the Panel *Changes and Continuities in the Religious Landscape of Northeast India* in the 6th French Network for Asian Studies International Conference, Sciences Po, Paris, France, 26th-28th June, 2017.

Jain, Shalin presented on “The Scraps of Tradition: Medieval Indian Jain Vigyaptipatras” under research programme *Histories of the Self, Histories of Others: Questions of Translation and Historiography*, Center for South Asian Studies- School for Advanced Studies in the Social Sciences (CEIAS-EHESS), Paris, France, 29th June, 2017.

Kumar, Sunil presented on ‘When the Turks became the Servitors of Islam: acculturation in the fourteenth century Delhi Sultanate’. At the Conference, Rum and Hind: relations and shared experiences of conquest, acculturation and Turkish rule in pre-modern India and Anatolia, University of St. Andrews, 25-26 May, 2017.

Kumar, Sunil presented on “Between History and Historiography: The Muslim and Turkish nature of the 13th-14th century Delhi Sultanate”. At the Conference Contextualizing History Writing in the Ottoman and Indian Worlds (C. 1400-1850), Istanbul Bilgi University, 10-11 June 2017.

Malhotra, Anshu ‘Mythicized Fiction and a Gendered Imaginary: Abduction, Conversion and Chastity in Bhai Vir Singh’s *Sundari*’, Paper presented in an International conference co-organised with Dr. Anne Murphy, at the University of British Columbia, Vancouver, Canada, 17th August 2017.

Singh, Upinder. “Ideas of empire in ancient India” at a workshop on Classical Indian and Chinese World Views on Global Order: a comparison,” organised by the Berggruen Institute and Centre for the Study of Developing Societies, in Bangkok. Jan. 29-30, 2018.

Singh, Vipul (2018) presented a Workshop paper on “Flood, Avulsion and Governance: The Ganga River in the Nineteenth Century”, John Hope Franklin Center at Duke University, Duke University, Durham.

International MOU signed

Advanced negotiations with South Asia Institute, School of Oriental and African Studies, London University, UK.

Other Inter-Institutional Collaboration

Prof. Amar Farooqui and Dr. Prabhu Mahapatra, part of the Global History Network.

Dr. Vipul Singh, 2016-2020. Project partner in Simone Müller (PI) DFG Emmy-Noether Research Group “Hazardous Travels. Ghost Acres and the Global Waste Economy”, Rachel Carson Center, Munich (Germany).

Students Under Exchange Programme

Under discussion with Centre of Modern Indian Studies, Georg August University, Goettingen, Germany.

Extension and Outreach Activities

Faculty has discussed history and their own interventions in public fora: literary festivals, school presentations, public media. Included is a brief sample:

Jain, Shalin. “Sources in History” in the TGT Teachers Training Programme, Bal Bharati Public School Training Centre, Delhi, 26-05-2017.

Jain, Shalin. “The Cost of War”, Indo-German Classroom Initiative Programme, Modern School, Vasant Vihar, New Delhi, 9th October, 2017.

Jain, Shalin. “Delhi: The Trade Routes of Capital” in *Talking History* Programme, Rajya Sabha TV, New Delhi, 22nd August, 2017.

Singh, Upinder. Participated in a panel discussion on “The History of Ancient and Medieval India,” at the Kerala Literature Festival, Kozhikode. Feb. 9, 2018.

Singh, Upinder. Jan. 25, 2018. Participated in a panel discussion on ‘On Violence’ at the Jaipur Literature Festival.

Singh, Upinder. Jan. 22, 2018. Participated in a discussion on “Political Violence in Ancient India: On history, research and interpretation in India” at the Kolkata Literature Festival.

Singh, Upinder. Nov. 19, 2017. Participated in a panel discussion on my recent book, *Political Violence in Ancient India*, in Lucknow Literature Festival.

Faculty Strength: 31

POLITICAL SCIENCE

Major Activities and Achievements

The Department was established in 1952, with about 40 postgraduate students. Since then the combined strength of students has exceeded to around 1000.

The teaching and research program of the Department is based on a comprehensive social science approach that integrates and interrogates sociological, economic, philosophical and cultural dimensions. It encourages a comprehensive study of the field of politics, keeping especially the Indian realities in focus.

The Department of Political Science has been attempting to de-centre the notions and practices of the political from its conventional moorings in Eurocentric thought and history. While engaged in moving away in its research agenda from dominantly European models for some time now, the Department has also insisted on learning and undertaking research on western thought and institutions as well, so that the mutual-imbrication of Europe and the non-West, especially India, may be studied more seriously. The relationships of exchange as well as asymmetry between the West and the non-West is of course critical to understanding the current thrust area of our Department, namely that of democracy, norms and institutions. The need for research on this area is intensified by a number of important global challenges that require more democratic initiatives than are currently available; and these have to be thought in terms of both national and extra-national institutions. Work on the thrust area also benefits from the critical investigations that we conduct in Indian Politics that reveal both new and old forms of (among other things) inequality, justice, discrimination and institutional processes in the larger context of the global.

Our general focus has been supplemented by a growing emphasis on the need to combine theory with ethnographic and archival work. We believe that it is necessary to acquaint ourselves with both Western Political Theory and Indian Political Thought in order to address and open out new empirical material to fresh questions. We are convinced that this will illuminate the unfolding reality of India and other countries\regions and also open out new research agendas for other institutions outside in and India.

The Department is extremely rich in academic potential, comprising a faculty known widely for their research and teaching abilities. It has entered into many collaborations with international institutions and its reputation is being rapidly consolidated within and outside the country.

Major Activities

- Three Inter-institutional collaboration projects along with Eight projects sponsored by various national/international organizations and University of Delhi have been undertaken by various faculty members of the department.
- The Department hosted two international seminars, six national workshops/Seminars, hosted 12 Visiting fellows under UGC CAS-SAP , held seven departmental weekly seminars, three special talks, and one work-in-progress workshop by Ph.D. students.
- Department launched a drive with the help of college teachers to prepare and collate teaching materials in Hindi Language for all Under Graduate courses.
- Faculty members have received honours and awards at national level and have undertaken international assignments and conferred with professional positions at international associations/bodies in their area of specializations.

Honour/Distinctions

Prof Ujjwal Kumar Singh

- Visiting Professor on an honorary basis at the Institute of Political Science and Sociology, University of Wuerzburg, Germany from June 1 to June 30, 2018.
- Visiting Academic at the Dr. Seaker Chan Centre for Comparative Political Development Studies, School of International Relations and Public Affairs, from May 20, 2018 to May 27, 2018.
- Visiting Professor under the UGC-SAP (DRS) Programme of the Department of Political Science, Jamia Millia Islamia University, Delhi from February 26, 2018 to March 6, 2018.
- Visiting Professor under the 'A New Passage to India' Programme, funded by the DAAD (German Academic Exchange Service) at the University of Wurzburg, Wurzburg, Germany, from November 23, 2017 to December 23, 2017.

Prof. Rekha Saxena

- Invited by China Association for International Friendly Contact as a part of Institute of Social Sciences delegation to visit China from July 30- August 05, 2017 for exchanging views on promoting people-to-people contact between the two countries.

Dr. Nasreen Chowdhory

- Vice President of the International Association for Study on Forced Migration (2015-2020)

Publications

Prof. Bidyut Chakrabarty

Chakrabarty, Bidyut. (2018). *Constitutional Democracy in India*. London and New York: Routledge. [ISBN: 978-1-351-37530-6].

Chakrabarty, Bidyut. (2017). *Indian Constitution: Text, Context and Interpretation*. New Delhi: Sage Publications. [ISBN: 978-9-386-44610-7].

Chakrabarty, Bidyut. (2017). *Localizing Governance in India*. London and New York: Routledge. [ISBN 978-1-315-52896-0]

Prof. Ujjwal K. Singh

Article:

Singh, Ujjwal K. (2018). The Inside-Outside Body: National Human Rights Commission of India. *Economic and Political Weekly*, LII (5).

Popular Articles:

Singh, Ujjwal K. (2018). Raag Darbari tells us that trust in political authority can never be absolute. *The Wire*, (22 January). [Co-authored].

Prof. Rekha Saxena

Chapter

Saxena, Rekha. (2017). Multilayered Governance in Delhi. In *State politics in India*. Roy, Himanshu and Singh, M. P. Delhi: Primus.

Saxena, Rekha. (2017). Occasional Paper: Gendering Federalism in India. Ottawa: Forum of Federations.

Saxena, Rekha. (2018). The Indian Supreme Court and Federalism: Federalism and Regionalism, (co-authored).

Saxena, Rekha. (2018). Rethinking central planning: A federal critique of the Planning Commission. *India Review*. [Co-authored].

Saxena, Rekha. (2017). The rise of judicial power and the protection of federalism. In Nicholas Aroney and, John Kincaid (Eds.), *The Supreme Court of India: Courts In Federal Countries: Federalists or Unitarists?* (Eds.). University of Toronto Press. [Co-authored].

Prof. Sangit K Ragi

Article:

Ragi, S. K. (2017). Review of the book *Jammu and Kashmir: Politics of Identity and Separatism*, by Rekha Chaudhary. *Studies in Indian Politics*, 5 (1). New Delhi: Sage Publications.

Prof. Sunil K Choudhary

Book:

Ragi, S. K. (2018). *The changing face of parties and party systems: a study of Israel and India*. Springer and Palgrave Macmillan. [ISBN: 978-981-10-5174-6].

Prof. Veena Kukreja

Kukreja, Veena. (2017). Dynamics of change and continuity in India's foreign policy under Modi's regime. In Shantesh Kumar Singh (Ed.), *India's Foreign Policy: Continuity with Difference under Modi Government*, (pp.1-17). New Delhi: Manak.

Dr. Nasreen Chowdhary

Books

Chowdhory, Nasreen. (2018). Refugees, citizenship and belonging in South Asia. Singapore: Springer Nature. [ISBN: 978-981-13-0197-1 (e-book) & 978-981-13-0196-4 (hardcover)] Doi: <https://doi.org/10.1007/978-981-13-0197-1>

Dr. Bipin Kumar Tiwary

Articles:

Tiwary, Bipin Kumar. (2017). Non-Traditional Security in India: Understanding Environmental Issues in Himalayan Region. *International Journal of Multidisciplinary Educational Research*, 6-4(1), [Impact Factor 4.527, Index Copernicus Value 5.16; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). New Horizons in Higher Education- A Case Study. *International Journal of Multidisciplinary Educational Research*, 6-4(6), [Impact Factor 4.527, Index Copernicus Value 5.16; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). Removing Regional Imbalances through Currency Demonetization. *International Journal of Multidisciplinary Educational Research*, 6-4(7), [Impact Factor 4.527, Index Copernicus Value 5.16 & amp; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). Role of Teacher for Promoting Values. *Golden Research Thoughts*, 6(10). [ISSN: 2231-5063]

Research Projects

S.No.	Title/Description	Principal Investigator	Sponsoring Organization
1.	Democracy, Norms and Institutions	Navnita C. Behera (as Head of the Department & CAS/SAP Coordinator) * Prof. Sanjeev Kumar H.M. as Deputy Coordinator	UGC/CAS/SAP
2.	The Politics of Autonomous Migration: A study of Indian Middle class Women	Dr. Nasreen Chowdhory	ICSSR
3.	Re-working the 'Knowledge Structures' in International Relations: Indian Contributions	Prof. Navnita C. Behera	ICSSR
4.	Education as a Site of Exclusion: A Study of Indian Universities	Prof. N. Sukumar	ICSSR
5.	Social Psychology of marginalization and exclusion: A Case Study of Dom and Musahar community in Bihar	Prof. Sangit K. Ragi (along with Prof. G.P. Thakur, CARDIC)	ICSSR
6.	Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Alternative Sites of Knowledge Construction	Prof. Sanjeev Kumar H.M.	ICSSR
7.	Rajya Sabha : From Secondary to Federal Chamber	Prof. Rekha Saxena	UGC
8.	Democratisation of State in South Asia	Prof. Veena Kukreja	ICSSR

Seminars / Conference Organised

- UGC CAS-SAP National seminar on “Democracy and Rights Discourse in India: Norms, Institutions and Practices” in Department of Political Science, 28th-29th July, 2017.
- UGC CAS-SAP National Seminar on “Problematizing Sexuality and Violence: Deconstructing Institutions, Norms and Narratives in India” by the Research Network on Feminist Engagements with Law and the State, Department of Political Science, University of Delhi, 23rd-24th August, 2017.
- UGC CAS-SAP , National Workshop, Feminist Methodology, 24-29 , August, 2017
- UGC CAS SAP, National Seminar, Democratising Governance in India, 14- 15, September 2017.
- Talk “Federalising Nepal: Issues & Challenges” by Dinesh Tripathi (Constitutional Lawyer from Nepal) , 13th September, 2018
- Panel Discussion “Legislature Versus Judiciary – Driving Discourse for Good Governance :A debate to assess relationship between two key institutions of the State” organised by Comparative Federalist Research Group in collaboration(CFRG) with The Dialogue , 16th October, 2017

- International Workshop ‘Public Finance, Urban Policy and Federalism’ CFRG in association with Centre for Research in Rural and Industrial Development (CRRID), Chandigarh and RANEP, Moscow, November 27, 2017
- UGC CAS-SAP National Seminar on “Polity as Fiction, Fiction as Reality: 50 years of Raag Darbari”, Department of Political science, 29th-30th January, 2018
- ICSSR Sponsored Research Programme Round Table on “Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society” organised by Prof. Madhulika Banerjee, 5th-6th February, 2018
- International Workshop, State and Statelessness: Unorthodox Solutions to Dispossession in South Asia, February 20, 2018.
- International Workshop “Intergovernmental Relations in India and Ethiopia: Experience Sharing” CFRG in collaboration with Forum of Federations, Ottawa & Indian Institute of Public Administration, New Delhi, 5th March, 2018.
- Panel Discussion “Women Empowerment” CFRG in collaboration with Sanskriti foundation on the occasion of International Women's Day on March 8, 2018
- UGC CAS-SAP National seminar "Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe" organised by Intellectual History Research Group and South Asian Research Group, 13- 14th March, 2018
- Ph.D Work-in-Progress Workshop at the Department of Political Science, University of Delhi, 16th March, 2018

Seminar/Conference Presentations

Participation of Faculty

International Conference

Prof. Madhulika Banerjee

Paper titled, Locating the ‘U’ in AYUSH: The making of the Unani pharmaceutical in post-colonial India accepted for presentation in the panel on Asian Medical Industries at the International Conference for Traditional Asian Medicines, Kiel, Germany 6-9 August, 2017.

Lecture on ‘Alternative Medicine Marketplace’ at The Wellcome Institute, London, on 15 February 2018.

Prof. Navnita Chadha Behera

Speaker in a Semi-Plenary Roundtable on “The Profession of IR in a Global Perspective,” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Paper presented “Political Thought and IR Theory: Does the Twain Meet?” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Chaired a Panel Discussion on “Theorizing International Relations by Drawing on Indian Intellectual History,” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Co-Chair, Global South Task Force, set up by International Studies Association Governing Council, 2017.

Prof. N. Sukuamr

Indo-Swiss Joint Research Report writing Initiative on “Well-being, Poverty and Vulnerability”, ICSSR and University of Fribourg, Fribourg, Switzerland, 30th September to 14th October, 2017.

Indo-Swiss Joint Research Program in the Social Sciences, Session on “Well-being, Poverty and Vulnerability”, ICSSR and University of Lausanne, Basle, Switzerland, 4th to 6th September, 2017

“Relevance of Ambedkarite Constitution in Contemporary India”, International Conference on “Reclaiming Social Justice: Revisiting Ambedkar”, Govt of Karnataka, 21-24th July 2017, Bengaluru.

Prof. Satyajit Singh

‘The ‘Political’ in the Local: Institutions & Governance for Sustainable Development’, *Third International Conference on Public Policy*, National University of Singapore, 27-30 June, 2017.

Dr. Nasreen Chowdhory

The Journey of Being 'New' Citizens in India: The Enclave People in West Bengal in 7th Istanbul Human Security Conference, 18-20 October 2017, Turkey

Dr. Sohini Guha

"Democratic Deepening in India : Some Predicaments." Paper presented at the 10th International Convention of Asia Scholars, organised by the Institute of Asian Studies of Leiden University, Netherlands, in collaboration with Chiang Mai University, Thailand, in Chiang Mai, Thailand, 20-23 July 2017.

Prof. Ujjwal Kumar Singh

Paper presented "Special Police Positions Officers, Policing and Internal Conflicts in India", at an international conference on "Policing in South Asia: Dilemmas of Governance and the Making of Participatory Communities", at Jawaharlal Nehru University, 6th January 2018.

Paper presented "Political Culture, Democracy, and Citizenship in India", in an international conference on "Constitutional Democracy: Normative Frameworks", University of Wurzburg, Germany (under the UGC-DAAD funded Indo-German Partnership in Higher Education project), 7-8 December 2017.

Chaired a session on "Politics, Institutions and Village India", in an International Conference on "Polity as Fiction, Fiction as Reality: Fifty Years of Raag Darbari" organised by the Department of Political Science, University of Delhi, 29-30 January 2018.

Prof. Sunil K Choudhary

Session Chaired/Address, 'The RND of India's Foreign Policy', at the International Conference on "India's Ascendency in Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities", Shyam Lal College, University of Delhi, 27 October 2017.

Keynote Address, "Exploring Indian Alternative to Political Thinking", at the International Conference on "Indian Vision of Political Thinking: Possibilities of Global Perspective", Department of Political Science, Chaudhary Charan Singh University, Meerut, Uttar Pradesh, Indian Political Science Association [IPSA] and Global Organization of People of Indian Origin [GOPIO] International, 12-13 August 2017.

Chaired a Session on "India-Vietnam: Security and Defence Cooperation", at the International Conference on "Emerging Horizons in India-Vietnam Relations", Teen Murti Museum and Library, Southeast Asia Research Group, Department of Political Science, University of Delhi and Zakir Husain Delhi College, University of Delhi, 4 July 2017.

National Conferences

Prof. Madhulika Banerjee

- Lecture on "A Nation and its Knowledges: Nationalism and the People that Make India" at the Zakir Hussain College Seminar on Nationalism, April 2017.
- Lecture on "The State and Development in India: Is the Indian state committed to a Knowledge Society?" at the Motilal Nehru College Golden Jubilee Plenary in September 2017.
- Presented a paper titled, Gender, Knowledge, Medicine: recipe and formulation, song and text at the "Workshop on Feminist Methodology", under the aegis of UGC CAS-SAP at the Department of Political Science, University of Delhi, from 18-22 September 2017.
- Lecture on "Responding to The Gauri Lankesh Reader" at City Scripts, a two-day literary even organised by the Indian Institute of Human Settlements, Bangalore, at Max Mueller Bhavan, New Delhi on 10th March, 2018.

Prof. N. Sukumar

- Two Lectures- 1) Researching Subalternity 2) Understanding a Concept and Its Philosophy: Lectures developed at the ICSSR Sponsored National Level Ten Days Research Methodology Workshop, on the theme- Researching Subalternity in Social Sciences and Humanities, Dr. Ambedkar Chair, Tezpur University, Assam, 19th March 2018
- Chaired a Technical Section, "Buddhism, Caste and the idea of Nation", Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe, University of Delhi, 14th March 2018
- Plenary Lecture: "Periyar and the Idea of the Nation", Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe, University of Delhi, 13th March 2018

- Valedictory Address, “Economic Lives and Dalit Colonies in Kerala”, K.R. Narayanan Chair for Human Rights and Social Justice, M. G. University, Kottayam, Kerala, 5-7th Dec 2017
- Keynote Speaker, “Reading Dalit lives”, Workshop in Memory of Dr. P. Pradeep, Calicut- 3-4th Dec 2017
- Chaired a technical secession on Gender, Sexuality and Law, Workshop on Feminist Methodology, Dept. of Political Science, Delhi University, 21st September, 2017.
- Special Lecture Series 101 on the Occasion of B.R. Ambedkar’s birth anniversary “Ambedkar’s Ideas on Federal System”, Organised by Center for Multilevel Federalism, Institute of Social Sciences, New Delhi, 18th April 2017.
- “Dalit Politics: Caught Between Ideology and Identity”, National Conference on Electoral Politics in Contemporary India: Emerging Trends, Maulana Azad National Urdu University, Hyderabad, 22nd-23rd February, 2018
- The Margins and the Social History”, National Seminar on Pluralism and the Crisis of Identity, Organised by Dr. Ambedkar Center for Social Justice & Centre for Promotion of Democracy & Secularism, University of Mumbai, 12-13 March 2017.
- Chief Guest on 126th B.R. Ambedkar’s Birth Anniversary, ‘Ambedkars Relevance on Education in Contemporary India’, Organised by School of Open Learning, South Campus, University of Delhi, South Moti Bagh, Delhi, 14th April 2017.
- Keynote Speaker, on the occasion of Baba Saheb Ambedkar’s birth anniversary, organised by School of Open Learning, North Campus, University of Delhi, Delhi, 13th April 2017

Prof. Shanta Nedungadi Verma

- Delivered lecture on "Challenges to Peace Building and Security in South Asia", Lady Shri Ram College, 8 April 2017.

Prof. Ujjwal Kumar Singh

- Paper presented on ‘Is there a Colour of Terrorism: Religion, Law and Politics’, at a National Conference on ‘Religion, Difference and Politics’, organised by the Centre for Political Studies, Jawaharlal Nehru University, Delhi, 19-20 March 2018.
- Paper presented on “Political Education and Social Media”, at a National Symposium on “Student Politics, Social Media and Political Education” organised by Central Institute of Education, Department of Education, University of Delhi, Delhi, 16 February 2018.
- Paper presented on ‘Indian Constitutionalism: Challenges Ahead’, at a conference on “India in 2030” at the Sri Guru Nanak Dev (SGND) Khalsa College, University of Delhi, 11 January 2018.
- Paper presented on ‘The “Inside-Outside” Body: National Human Rights Commission of India’, at one day Training Programme on Human Rights organised by Ambedkar University Delhi (AUD), and National Human Rights Commission (NHRC), New Delhi at AUD, Delhi, September 8, 2017
- Chaired and speaker at a Social Science Research Colloquium on the theme “State, Identity and Citizenship” organised by the Department of Political Science, Gauhati University, Guwahati, 24th March 2018.
- Chaired the Inaugural Session on “Indian Democracy and Tribal Issues” in the National Seminar organised by the SC/ST Advisory Committee, Satyawati College, University of Delhi, August 27, 2017.
- Chaired the Plenary Session on “The State and Development in India: Is the Indian State committed to a Knowledge Society?” in UGC sponsored two day National Seminar on “Today’s India: Culture, State and Economy”, organised by Motilal Nehru College (Evening), University of Delhi, 6-7 September 2017
- Paper presented on “Outline of the Legal System in India”, at a Workshop on “Legal Literacy and Your Laws, Your Rights” (6 to 10 November 2017), organised by the Department of Political Science, University of Delhi, Delhi, 6 November 2017.
- Prof. Sangeet Kumar Ragi

- Chaired/ Chief Guest/Main Speaker a Session at National Seminars on , Motillal Nehru College, University of Delhi, Delhi, 7 September 2017.
- Chaired a National Seminar on “Peasant Movement”, The Nehru Memorial Museum and Library, New Delhi, 27 April 2017.
- Chaired a National Seminar on “Kashmir- Present Challenges in Historical Perspective”, DCRC, 20 April 2017.

Prof. Sunil K Choudhary

- Paper presented on “Democratic Transformation and Political Transition: A Study of Haryana”, at the National Conference on “State and Politics”, Nehru Memorial Museum and Library, New Delhi, 18 May 2017.
- Lecture on “Brothering the Sister States: BJP in the North East”, at the National Seminar on “State Politics in India with Special Reference to North East India”, Nehru Memorial Museum and Library, Teen Murti, New Delhi; Indian Council of Social Science Research [ICSSR], North East Regional Centre and Department of Political Science, North Eastern Hill University [NEHU], Shillong, 14 March 2018.
- Keynote Address on ‘India’s Electoral Democracy: Changing Dimensions, Directions and Dynamics’, at the National Seminar on “Party Politics in India: Emerging Trends”, DAV College, Jalandhar, Punjab, 24 February 2018.
- Chaired a Session on, “Session III: Disseminating Knowledge Issues in Development”, at the Round Table on “Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society”, Department of Political Science, University of Delhi, 6 February 2018.
- Lecture on “Combating Corruption through Correction: Individual as a Catalyst of Transformation”, Centre for Federal Studies, Jamia Hamdard, New Delhi, 11 January 2018.
- Special Lecture on “Indianising India: Sardar Patel and National Integration”, at the National Unity Day, National Science Centre, Delhi, 31 October 2017.
- Lecture on “Researching Social Sciences: Changing Trends”, Faculty Development Program in Social Sciences, Shakuntala Misra National Rehabilitation University, Lucknow, 11 October 2017.
- Chaired a Session on “Democratizing Space, Norms and Values: Understanding Feminist Methodology”, at the National Workshop on “Feminist Methodology”, UGC CAS-SAP II Program, Department of Political Science, University of Delhi, 20 September 2017.
- Chaired a Session on “Subaltern Consciousness: The Significance of Identity and Agency in India”, at the National Seminar on “Today’s India: Culture, Society, State and Economy”, Moti Lal Nehru College [Evening], University of Delhi, 6 September 2017.
- Lecture on “Researching Education: From D3 to R3”, at the National Program on “Higher Education and Research: Issues and Challenges for Change in India”, JRN Rajasthan Vidyapeeth University, Udaipur, Rajasthan and Jawaharlal Nehru University, New Delhi, India International Centre, New Delhi, 24 May 2017.
- Lecture on “Changing Nature of Social Science Research”, ICSSR Sponsored Capacity Building Program, Aligarh Muslim University, Aligarh, Uttar Pradesh, 28 April 2017.
- Lecture on “Philosophical Origins of Creative Teaching”, 11th Pablo Neruda Lecture, Developing Countries Research Centre [dcrc], University of Delhi, 3 April 2018.
- Regional/State level
- Chaired a Session on “Introducing Comparative Theory”, One Day Seminar, on “Comparative Theory Today: Changes and Challenges”, Developing Countries Research Centre [dcrc], University of Delhi, 12 March 2018.
- Lecture on “Nationalizing Election in India: A Federal Perspective”, Interactive Discourse, Developing Countries Research Centre [dcrc], University of Delhi, 28 December 2017.

- Lecture on “Understanding Subalterns in Contemporary Times”, Interactive Discourse, Developing Countries Research Centre [dcrc], University of Delhi, 26 September 2017.
- Delivered a Talk on “Derc Samiksha: Delhi Municipal Survey Results”, Election Workshop, Developing Countries Research Centre [dcrc], University of Delhi, 23 April 2017.
- Lecture on “Samiksha: Lensing Delhi through Municipalities”, Workshop cum Interface Interaction, Developing Countries Research Centre [dcrc], University of Delhi, 10 April 2017.
- Local – University/College
- Lecture on “Parties Under Transformation: From Populism to Governance”, Dyal Singh College [Evening], University of Delhi, 6 April 2018.
- Chaired on “Challenges of Technological Changes”, 30th Zakir Husain Memorial Lecture, Zakir Husain Delhi College, University of Delhi, 6 April 2018.
- Lecture on “Electoral Politics in India: Changing Trends”, Rajdhani College, University of Delhi, 26 September 2017.
- Lecture on “From Constitutional Morality to Democratic Morality: Ambedkar’s Vision of the 21st Century India”, Ajay Sathpathy Memorial Lecture, Ram Lal Anand College, University of Delhi, 19 April 2017.
- Lecture on “Towards Substantive Democracy: Ambedkar and Changing Democratic Discourse”, Satyawati College, University of Delhi, 15 April 2017.
- Lecture on “Changing Secular Discourse: An Indian Perspective”, Dr Bhim Rao Ambedkar College, University of Delhi, 11 April 2017.
- Lecture on “Humanizing the Humans: Human Rights in Contemporary Times”, Lady Shri Ram College, University of Delhi, 6 April 2017.
- Prof. Shri Prakash Singh
- Lecture on “Research Methodology of Indian Classics”, DCRC, Delhi University /ICSSR, New Delhi, May 18 2017.
- Lecture on “Research Methodology to research in Indian Classics”, at DCRC, University of , Delhi, May 9 2017,
- Lecture on “Importance of terminology in Ancient Classics”, Jamia Milia Islamia, New Delhi, 3 July 2017,
- Lecture on “Research Methodology to study Indian Classics” BHU, Social Exclusion Centre , July 8 2017.
- Lecture on “New Education Policy”, BBAU, Mahu, Indore, 8 August 2017.
- Lecture on “Political Philosophy of Deendayal Upadhyaya”, Gautam Budha University ,G Noida, 15 September 2017.
- Lecture on “Secularism in India”, Gargi College, Delhi University, 20 September 2017.
- Lecture on “Gandhi”, ZHC, Delhi University, 1 November 2017.
- Lecture on “Deendayal Upadhyaya” CPDHE, Delhi University, 1 December 2017.
- Lecture on “Knowledge Tradition of India”, Capacity Building Programme, Vanasthali Vishwavidyalaya, 11 December 2017.

Prof. Rekha Saxena

- Presented a paper on “Principle of wheighted equality in Indian Federation: A case study of Union territory model” at IACFS International Conference held at Institute of Fedralism, University of Fribourg, Switzerland. 11 – 13 October 2017.

Prof. Satyajit Singh

- Democratic Institutions & Political Capacity’, *IPPN International Conference on Public Policy and Governance*, KIIT, Bhubaneswar, Feb 28-Mar 1, 2018.

- ‘Rethinking Administrative Theory from Rural India’, *International Conference on Polity as Fiction, Fiction as Reality: Fifty Years of Raag Darbari*, University of Delhi, 29-30 January, 2018.
- *Special Lecture Series: 103*, ‘The Local in Governance’, May 2, 2017, Institute of Social Sciences, New Delhi.

Other Inter-Institutional Collaboration

Programmes Taken Up Involving Inter-Institutional Collaboration

S.No.	Title	Principal Investigator	Sponsoring Agency
1.	Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society	Prof. Madhulika Banerjee	ICSSR Partners Institutions are: Institute of Rural Management, Anand, Azim Premji University and South Asian Network for Dams, Rivers and People
2.	U-21 (Universitas -21) for special module as part of the Masters Program	Prof Navnita C. Behera (Convenor on behalf of Department) and Dr. Nasreen Chowdhory	University of Delhi, University of Melbourne, Australia and University of Birmingham, UK
3.	Project Document for Capacity Assessment of NGOAB, Prime Minister's Office, Government of Bangladesh	Prof. Satyajit Singh	Government of Bangladesh

Extension and Outreach Activities

Prof. Ujjwal Kr. singh

1. ‘The ‘Inside-Outside’ Body: National Human Rights Commission of India’, paper presented at one day training programme on human rights organised by Ambedkar University Delhi (AUD), and National Human Rights Commission (NHRC), New Delhi at AUD, Delhi, September 8, 2017
2. Resource Person for Capacity Building Programme on Political Science for CBSE teachers (Class XII), CBSE Centre for Excellence, at The Millennium School, Panipat, January 12-13, 2018.
3. Resource Person for Capacity Building Programme on Political Science for CBSE teachers (Class XII), CBSE Centre for Excellence, at Amity International School, Ghaziabad, February 22-23, 2018.

Number of MPhil/PhD Awarded:

Number of Ph.D. degrees awarded: 10

Number of M. Phil. degrees awarded: 24

Faculty Strength: 19

SOCIAL WORK

Major Activities and Achievements

During the academic year 2017-2018, the Department of Social Work reached numerous milestones and added a number of accomplishments to its credit. It continues to enjoy the status of UGC Centre of Advanced Studies. The Department coordinated and extended the Community Development Cell (CDC) on behalf of the University of Delhi. CDC initiative was undertaken on the recommendation of Honourable President of India. Under this initiative, work was expanded in the area of health, education and livelihood in the five villages; namely Badarpur Khadar, Chauhan Patti, Jagatpur, Mukundpur and Jharoda. The Department has also been designated the Nodal Agency for Unnat Bharat Abhiyan Initiative of the University of Delhi.

The Department entered into a number of international collaborations, held a number of seminars and workshops both for the benefit of the community and the faculty. The Department collaborated with government agencies for training their staff. For instance, a five days Residential Camp at Tihar Prison was organised by the Department to impart soft skills training to Jail staff. The Department initiated *Lecture Series on Mental Health and Well-Being* for the students and faculty to help them cope with the normal

stressors of life and work productively. In keeping with the spirit of inclusivity the Department organised an exclusive job fair for differently-able job seekers in association with a Trust. Another important activity of the Department was the celebration of North East Day to acknowledge the diversity of cultures which constitute the spirit of India.

In addition, the Department continued to maintain its position as second-best school of social work in India in Outlook survey and was also ranked number two in the India Today survey, 2017. The distinguishing feature was that in academic excellence, Department was ranked number one in the Outlook survey. The Department also successfully secured jobs for all the students who had opted for campus placements.

Honours/Distinctions

Department has been ranked number two in the Outlook magazine's ranking of the schools of social work in India in 2017

Department has been ranked number one on 'Academic Excellence' and 'Placements' in the Outlook magazine ranking in 2017.

Department has been ranked second in the India Today Survey of the schools of social work in 2017.

Department of Social Work was the nodal agency for the *Unnat Bharat Abhiyan* in 2017 of the University of Delhi.

Prof. Gangrade, retired faculty of the Department and erstwhile Pro Vice Chancellor of the University of Delhi was honoured with the prestigious Distinguished Service Award for Retired Teachers, given to highly deserving individuals who have rendered exemplary service to the University. The Award was conferred on the occasion of the 95th Foundation Day of the University of Delhi.

Prof. Sanjai Bhatt was conferred the Prof. V.K.R.V Lifetime Award in Social Sciences which has been given by the Indian Social Science Association. He has also achieved the special distinction of becoming the Ambassador for the Global Social Service Workforce Alliance headquartered at U.S.A.

Prof. Manoj Kumar Jha was elected as an Honourable Member of the Rajya Sabha.

Publications

Adusumalli, M. (2017). Mountain communities and sustainable development. *Reflections from Uttarakhand*. Scholar Publishing House. New Delhi. [ISBN 978-81-932035-2-1].

Adusumalli, M. (2017). Understanding the process of development: a case study on eco-income generation approach. New Delhi, India: Excel India Publishers. [ISBN 978-93-86256-71-3].

Adusumalli, M., & Anand, M. (2017). Caste, patriarchy and gender. In M. Adusumalli & M. Anand (Eds.), *Gender and social work: positions and practices* (pp.14-17). New Delhi, India: Regal Publications. [ISBN 978-81-8484-665-2].

Adusumalli, M., & Anand, M. (Eds.). (2017). *Gender and social work: Positions and practices*. New Delhi, India: Regal Publications. [ISBN. 9788184846652].

Adusumalli, M., and Anand, M., (Eds.). (2017). *Gender and social work: Positions and practices*.

Agnimitra, N. (2017). Disaster management and social work education: A praxis of learning and practice. *The International Emergency Management Society Newsletter* – [Special Edition - Issue 6].

Agnimitra, N. (2018). Should I stay or should I go? Mitigation strategies for flash flooding in India (co-authored). *International Journal of Disaster Risk Reduction*, 27 March 2018, 48-56. <https://doi.org/10.1016/j.ijdr.2017.09.019>.

Anand, M. (2017). Role of rural camps in nurturing field practicum: Narrative from a faculty of social work, Delhi, India. *Social Work Education* 36(5), 521-528.

Anand, M. (2017). Community mental health in India: Perspective, challenges and strategies. *Delhi Psychiatry Journal*, 20(1), 7-14.

Anand, M. (2017). Contemporary urban adolescents: A psycho social Journey. In S. Aleem, S. Bano & M.G. Shahnawaz (Eds.), *Health and Well Being Among Children and Youth in India* (pp-89-100). New Delhi, India: Excel India Publishers.

Anand, M. (2017). HIV affects women: Social implications from a study in Delhi, India. *Asian Man (The) - An International Journal*, 11(1), 69-72. ISSN: 0974-6366 [Co-authored].

Anand, M. (2017). Social work in schools: Integrating gender concerns. In M. Adusumalli & M. Anand (Eds.), *Gender and social work: positions and practices* (pp.117-137). New Delhi, India: Regal Publications. ISBN 978-81-8484-665-2.

Anand, M. (2018). Globalisation, gender and education: An Indian context, quest in education 43(1), 2-16, Gandhi Shiksha Bhavan, Indian Council of Basic Education, Mumbai. ISSN 0048-6434.

Anand, M. (2018). Promoting mental health of school children: Indian reflections. *Indian Journal of Health & Well Being*, 9(2). ISSN: 2229-5356

Anand, M. (2018). Social work approaches in mental health: A contemporary view. *Educere: BCM Journal of Social Work*, 13(2). ISSN 2249-1090

Batra, S. Co-author (with Dr. Archana Kaushik) for the following units for BSW Course on Research methods, Indira Gandhi National Open University

Block: Social Work Research Process

Unit 1: Stages in Research

Unit 2: Research Design

Unit 3: Methods and Types of Sampling

Unit 4: Methods and Tools of Data Collection

Block: Data Processing and Tabulation

Unit 1: Editing, Coding, Processing and Tabulation of Data

Unit 2: Data Analysis, Interpretation and Report Writing

Unit 3: Basics of Statistical Techniques

Bhat, I., & Maske, S. (2017). Anti-oppressive social work theory and practice: Contextualizing the caste debate in Indian social Work Education. In R. Jare & S. Kale (Eds.), *Caste in Modern India: Atrocities against Dalits*. Houston, USA: Stadium Press. ISBN - 978-93-85046-11-7.

Bhatt, S., & Kumari, S. (2017). Centum work skills India: Large scale vocational training for youth. *How the private sector develops skills: lessons from India (Part II Case Studies)*. India: UNDP and Istanbul International Centre for Private Sector in Development

Bhatt, S., Singh, A., & Phukan, D. (2017). The state of criminal justice social work education and professional training in India. In Chong, M. D. & Francis, A. P. (Eds.), *Demystifying Criminal Justice Social Work in India*. India: Sage.

Gogoi, M. (2018). Emotional coping among communities affected by wildlife-caused damage in north-east India: Opportunities for building tolerance and improving conservation outcomes. *Oryx, The International Journal of Conservation*. [20180030-6053 (Print), 1365-3008 (Online)].

Islam, K. M. B., Khan, A., & Raushan, A. (2017). Emerging trends in minority political parties and politics in India: A quest for a political space by the Muslims in India. *Perspectives in Social Sciences*, 26-41. Bangladesh: Centre for Advanced Research in Social Sciences University of Dhaka.

Jajuo, K. (2017). Sexual crimes against children: Incidences and interventions from tribal belts. *Journal of North East Region*, 127-132. ISSN: 2321-0583.

Jha, M. (2017, April 3). 'Dear opposition, We have failed India', *The Citizen*.

Jha, M. (2017, April 31). We have failed to protect the 'Idea of India', *The Tribune India*.

Jha, M. (2017, November 14). 'We need more youthful dreamers like you': A letter to Jawaharlal Nehru, *The Wire*.

Jha, M. (2017, November 14). Hindi-ke-jawahar-ke-naam-ek-khat-jaha-garam-hawa-ka-bemuravat-mosam-badal-hi-nahi-raha, *The Citizen*.

Jha, P. (2017). Book Review of South Asia State of Minority Reports. *Social Change*, 47(1) (3). Sage Publications

Jha, P. (2018). Identity and cultural rights of minorities in India. In S. Hassan (ed.), *India Together: India State of Minorities Report 2018*. New Delhi, India: Books for Change.

Kaushik, A. (2017). 'From hunger deaths to healthy living: A case study of Dalits in Varanasi District, Uttar Pradesh, India. *Contemporary Voice of Dalit*, 10(1), 1–9. DOI: 10.1177/2455328X17744623. Retrieved from: <http://vod.sagepub.com>.

Kaushik, A. (2017). Self-awareness: Rhetoric or reality. *Journal of Social Work Values and Ethics*, 14(1), 21-29. ISSN: 1553-6947.

Kaushik, A. (2017). Unending darkness: Conditions of elderly in night shelters in Delhi. *BSSS Journal of Social Work*, 8(1), 1-23.

Kaushik, A. (2017). Women leaders in grassroots governance. In M.M. Verma (Eds), *Women Empowerment Perspectives and Dimensions*. New Delhi, India: Serials Publications. ISBN: 978-8193319017.

Kaushik, A. (2018). Can you afford to die? Estimates of expenditure on rituals and impact on ecology. *Economic & Political Weekly*, 53(3).

Kaushik, A. As co-author (First and corresponding author: Prof. Sushma Batra), wrote the following units for BSW Course on Research methods, Indira Gandhi National Open University:

Block: Social Work Research Process

Unit 1: Stages in Research

Unit 2: Research Design

Unit 3: Methods and Types of Sampling

Unit 4: Methods and Tools of Data Collection

Block: Data Processing and Tabulation

Unit 1: Editing, Coding, Processing and Tabulation of Data

Unit 2: Data Analysis, Interpretation and Report Writing

Unit 3: Basics of Statistical Techniques

Kaushik, A. Prepared the following modules under e-pathshala, MHRD project of e-Content Development for PG Program in HRM

1) Community Engagement and Child Development

2) Community Engagement in Conflict Resolution

3) Quality Education and Community Engagement

4) e-governance and Community Engagement

5) Community Engagement in Health Promotion

6) Steps in Community Engagement

7) Models of Community Organization

Mitra, A., & Khan, A. (2017). Green tourism management in India- 'A 3D study of the seven sisters states of North-East with special reference to eco-tourism'. *International Journal of Innovative Research in Science, Engineering, and Technology*, 6(4), 6923-6932. ISSN: 2319-8753 (Online), 2347-6710 (Print).

Pandey, N. (2016). Resource mobilization for e-content for social welfare administration, course developed by Consortium of Educational Communication (CEC), EDUSAT

Pandey, N. (2016). Violent lives, violent families in social justice and social work profession in India. In S. Pathare, S. Bhatt, & J. Verghese (Eds.), *Challenging Responses and Responding Challenges* (pp. 273-285). Jaipur, India: Manas Publishers & Distributors. ISBN 978-93-83231-30-0.

Pandey, N., & Pandey, V. (2017). Language of alienation: A site of cultural violence. *Journal of Exclusion Studies*, 7(1), 102-115. ISSN 2231-4547.

Rani, S. (2017, July). Rural health: Health infrastructure, equity and quality. *Kuruskhetra*, 65(9), 29-33. ISSN 0021-5660.

Rani, S. (2018). Social and structural inequality in health: Challenges and prospects of sustainable development. *International Journal of Research in Management and Social Sciences*, 6(1) (3).

Rani, S., & Amin, W. (Eds.). (2018). The state of marginalization and public health issues in India. New Delhi, India: Winshield Press. ISBN 978-81-934273-4-7.

Roy, S. (2017). Human rights and trafficking in women and children in India. *Journal of Historical Archaeology & Anthropological Sciences*, 1(5). Med Crave (August-online)

Roy, S. (2017). Urbanization and problems of slum dwellers in India: Right's perspective. In B. Chaudhuri & S. Biswas (Eds.), *Anthropology and Human Rights Jaipur, India*: Rawat Publication. ISBN-978-81-316-0838-8.

Roy, S. (2017). Women's political representation in India: Still Miles to Go. In M.M. Verma (Ed.), *Women Empowerment: Perspectives and Dimensions* (pp. 465-493). New Delhi, India: Serial Publication. ISBN-978-81-933190-1-7.

Sharma, S. (2017). Book Review: Meenaz Kassam, Femida Handy and Emily Janson, Philanthropy in India: Promise to practice. *Social Change*, 47(3). ISBN: 9789351507529.

Singla, P. (2017). Electronic content for E-PG Pathshala. Ministry of Human Resource Development, GOI.

(i) Rural women: Concerns, initiatives and success stories

(ii) Human Trafficking and Forced Marriages

Singla, P. (2017). Voices of the Poor: Lessons for policy makers. In P.P. Balan, S. George & T.P. Kunhikannan (Eds.), *Marginalization and Deprivation: Studies on Multiple Vulnerabilities*. Thrissur, Kerala: Kerala Institute of Labour Administration (KILA). ISBN 978-93-84557-84-3

Thakur, A. Prepared the following modules under e-pathshala, MHRD project of e-Content Development for PG Program in HRM

Paper Name: Human Resource Development through Community Development

(i) Module: Water and Health

(ii) Module: Engagement of Children with Disabilities through Inclusive Education.

Thakur, A., & Jayasena, C. (2017). The exclusion experiences of visually impaired female students in the Indian higher education system. In M. Adusumalli & M. Anand (Eds.), *Gender and Social Work: Positions and Practices*. New Delhi, India: Regal Publications. ISBN 978-81-8484-665-2

Journals

- (i) Published by the Department – At present the Department is not publishing any journal
- (ii) Department teachers serving as editors/ members of editorial board- 4
 - a. Prof. Neerna Agnimitra:
 - Member, Editorial Board, *Environment and Social Psychology*, an international, peer reviewed, open access journal
 - Member, Editorial Board, *CJMR Journal of Management Research* (a journal of Dr. VikhePatil Foundation Centre for Management Research and Development)
 - Academic Advisor, *Learning Community* (a journal of educational and social development)
 - b. Prof. Pamela Singla:
 - Member, Editorial Board, *International Journal of Humanities and Social Sciences*.
 - c. Dr. Sanjoy Roy:
 - Associate Editor, *The International Journal of Religion and Spirituality in Society*, USA, from April 2017.
 - d. Mr. Sudhir Maske:
 - Member, Editorial Board, *Indian Journal of Sustainable Development(IJSD)*, ISSN-2394-7675 Published by Department of Social Work, Central University of Rajasthan & Publishing India Group, New Delhi (Since December 2014)

Research Projects

Batra, Sushma. Course Director - Workshop on Research Methodology in Quantitative Research (29-05-17 to 07-06-17) funded by Indian Council of Social Science Research. (Completed)

Bhatt, Sanjai. Research Project "Survey of Toilets Constructed Under Swachh Vidyalaya Abhiyaan in Six States, Hindustan Petroleum Corporation, Mumbai (Completed)

Kaushik, Archana. A Comparative Study: Maternity Benefits & Child Care Provisions for Working Women in Public and Private Sectors in Delhi (as a consultant for 6 months) supported by National Commission for Women

Malathi, Adusumalli. Sustainable Development of Mountain Communities: A participatory approach-enhancing livelihoods, food security and capacity development for disaster preparedness and response', Bhatwari Block, Uttarkashi District, funded by ICSSR for a period of 2 years and 9 months (2014 to 2016). Report Submitted in July, 2017

Maske, Sudhir. Research Project on "Enhancing Educational and Vocational Aspirations among Scheduled Castes and Scheduled Tribes Students: An Action Research in Underdeveloped District of Chhattisgarh", funded by ICSSR (Ongoing)

Pandey, Neena. Establishment of Social Service Unit in Police Stations in Delhi for 2 years, Ministry of Human Resource Development, Government of India (Nirbhaya Fund)

Seminars Organised

Total Number: 15

Details (of 10 seminars)

Women's Leadership Summit –08th April 2017 jointly with Department and Women's Manifesto, sponsored by Human Welfare Foundation. Ms. Swati Maliwal, Chairperson, Delhi Commission for Women, Ms. Shabnam Hashmi and Dr. Sharnas Muthu, General Secretary, Women's Manifesto were the key resource person.

Seminar on Social Justice in Neoliberal Times: Issues and Concerns– 16th and 17th April, 2017. As special guest, Shri D. Raja, Prof. Gopal Guru from Centre for political Science, SSS, JNU Prof. Vivek Kumar, CSSS/SSS, JNU were invited.

Lectures Series on Mental Health (9th Sept., 2017 – 6th Feb. 2018). Prof. Aruna Broota (Psychologist & Mental Health Expert), Dr. Jahanara M. Gajendragad (HOD, Dept. of Social Work, IHBHAS) & Dr. Sumit Jain (Lecturer, School of Social Work & Political Science, University of Edinburgh) were the key resource person.

Seminar on Beyond Prison Walls - Conversation on Prisoners' Rights (23rd September, 2017) collaboration with Tihar Prisons, Bureau of Police Research and Development (BPR&D) and Commonwealth Human Rights Initiative (CHRI) at NDMC Convention Centre, New Delhi. Chief Guests: Honourable (Dr.) Justice B.S. Chauhan, Chairman, Law Commission of India, Honourable Justice Madan B. Lokur of Supreme Court of India and Mr. Manish Sisodia, Deputy Chief Minister of Delhi.

Dr. S. Selvam Memorial Debate (25th October, 2017) "Professionalization of Sanitation Workers will Lead to Elimination of Manual Scavenging and the Stigma Attached to It" in memory of Late Dr. Selvam. The debate was organised in collaboration with Action Aid. Chief Guest: Mr. Bezwada Wilson

Seminar on Improving Development Effectiveness through Impact Evaluation and Evidence Synthesis (30th January, 2018) collaborated with International Initiative for Impact Evaluation (3ie) as part of the 3ie Delhi Seminar series. Resource Person: Dr. Francis Rathinam, Senior Evaluation Specialist at 3ie and Dr. Denny John, Evidence Synthesis Specialist at Campbell Collaboration.

Seminar on Migrant Workers: Rights and Concerns (3rd February, 2018) in collaboration with Sadbhav Mission.

A two-day National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society (17th & 18th of February, 2018) in collaboration with National Institute of Social Defence under the Ministry of Social Justice and Empowerment.

Seminar on Theory, Practice and Reflexivity: An Inquiry into the Domains of Sociology and Social Work (1st April, 2017). Key Speaker: Prof. Avijit Pathak, Professor, JNU, Delhi

A talk on *International definition and the internationalisation of social work* on 8th September, 2017. Speaker was Prof. Mark Henrickson from the School of Social Work, Massey University, New Zealand.

The lecture was organised by Education New Zealand, which is New Zealand's government agency for international education

Seminar/Conference Presentations

Mr. Abhishek Thakur, Guest Speaker, Educational Opportunities for Person with Disabilities on 2nd June, 2017, organised by Samarthanam Trust for the Disabled, New Delhi

Mr. Abhishek Thakur, Resource Person, in Two Days Training Workshop on Community Mobilization, from 12th-13th May, 2017, organised by Chetnalaya, New Delhi

Mr. Abhishek Thakur, Speaker, on Career Opportunities in the Globalized Market for student-members of the Equal Opportunity Cell (EOC), on 15th February, 2018 at Satyawati College, University of Delhi

Mr. Abhishek Thakur, Speaker, on Sustainable Livelihood Framework, on 28th February, 2018, by PGSS, Gorakhpur, Uttar Pradesh

Mr. Abhishek Thakur, Speaker on, *Possibilities on 18th July, 2017, organised by Noida Deaf Society, New Delhi*

Dr. Adusumalli Malathi, Speaker, on Ontology and Epistemology (for the ten day Research Methodology on Quantitative Research for Research Scholars), Organised by Prof. Sushma Batra, Department of Social Work, University of Delhi on 29th May, 2017

Dr. Adusumalli Malathi, Speaker, on Qualitative Assessment on Sustainable Energy and Better Models of Economic Development, organised by Royal Thimpu College, Royal University of Bhutan, Thimpu, Bhutan, on 5th October, 2017

Dr. Archana Kaushik, Delivered, a lecture on "Examining factors influencing elder abuse in socio-cultural paradigm" at seminar on laws for protection of older persons in India, organised by Helpage India at India International Centre, 8th January, 2018

Dr. Archana Kaushik, Speaker, in the session on "Data Processing including Data Entry and Preparation of uni-variate, bi-variate and multi-variate tables" at National level "Expediting Justice through Research" workshop for judges and officials in judicial administration, at Lok Nayak Jay Prakash National Institute of Criminology and Forensic Sciences, Ministry of Home Affairs, Rohini, New Delhi on 29th March, 2017

Dr. Archana Kaushik, Speaker, in the session on "Literature Review: process, types and related modalities" in a Ten days workshop on Research Methodology course for Scholars in Social science, sponsored by ICSSR at Department of Social Work, University of Delhi on 29th May, 2017

Dr. Archana Kaushik, Speaker, in the session on "References in Report Writing: APA style" in a Ten days workshop on Research Methodology course for PhD Scholars in Social science, sponsored by ICSSR at Department of Social Work, University of Delhi on 5th June, 2017

Dr. Archana Kaushik, Speaker, in the session on "Strategies for Sustainable Development of vulnerable sections of the society" in the Second International Conference on "The Canvas of International Business: Opportunities and Challenges" held on 24th and 25th February, 2018 at Bhopal School of Social Sciences, Madhya Pradesh.

Mr. Asif Khan, Presented, a paper on 'Interest Aptitude Screening Test and Parenting Program', from 15th to 16th April, 2017, organised by Department of Psychology, Aligarh Muslim University, Aligarh

Prof. Manoj Kumar Jha, Addressed, a gathering on 'Palestine: Centre of World Politics' on 19th Dec, 2017, at India Islamic culture Centre, Lecture Hall No. 1, Lodhi Road, New Delhi

Prof. Manoj Kumar Jha, Delivered, a talk at Anhad Baat Cheet in collaboration with Oxford Bookstore on "The Last Days of Mahatma Gandhi" on 29th January, 2018

Prof. Manoj Kumar Jha, Delivered, a talk on "The Myth of Objectivity in Social Science Research at Centre for North East Studies and Policy Research", Jamia Millia Islamia, New Delhi on 6th February, 2018.

Dr. Meenu Anand, Chaired, a session in National Seminar on 'Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society', Department of Social Work, University of Delhi, 17th to 18th February, 2018.

Dr. Meenu Anand, Conducted, a training on 'Gender Sensitization' with research scholars and M.Ed. students at the Centre for Women's Studies, Sri Lal Bahadur Shastri Sanskrit Vidyapeeth on 21st March, 2017.

Dr. Meenu Anand, Presented, a paper on 'Contemporary Urban Adolescents: A Psycho Social Journey' in the International Conference on 'Health and Well Being: An Interdisciplinary Inquiry'. Organised by Department of Psychology UGC-DRS programme, Jamia Millia Islamia from 22nd – 23rd March, 2017.

Dr. Meenu Anand, Resource Person, on 'Gender and Social Work' in the Orientation Programme for students of B.A. (Honours) Social Work, organised by Dr. Bhim Rao Ambedkar College, University of Delhi on 22nd July, 2017.

Dr. Meenu Anand, Resource Person, on 'Gender Understandings among Teachers and Students: Discourses from Delhi, India' in the Winter School organised by National Law University, Delhi and Università degli studi della Campania "Luigi Vanvitelli" (Formerly Second University of Naples) on 17th January, 2018.

Mr. N. T. Thomas, Presented, a paper on "Social Justice in Neoliberal Times: Issues and Concerns" on April 16th to 17th, a seminar organised by Department of Social Work, University of Delhi.

Mr. N. T. Thomas, Speaker, in a workshop on Career Counselling, organised by Northeast Students, Vasant Kunj, New Delhi.

Dr. Neena Pandey, Conducted, a training on Soft skills to the Prison Staffs on 23rd May, 2017, organised by Delhi Prisons, Tihar.

Dr. Neena Pandey, Presented, a paper on 'Challenges and Incompetency of Police in Rape Cases' at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10th to 12th November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady.

Dr. Neena Pandey, Presented, a paper on 'Residential Camp in Tihar: An Interventional Learning', A paper presented at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10th to 12th November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady.

Dr. Neena Pandey, Speaker, 'Feminist Social Casework' on 21st September, 2017 at Department of Social Work, Jamia Millia Islamia.

Dr. Neena Pandey, Speaker, Feminist Social Casework on 28th September, 2017 at Department of Social Work, University of Delhi.

Dr. Neena Pandey, Speaker, Gender sensitivity on Girl's safety and Understanding Gender on 3rd February, 2018 at Department of Social Work, University of Delhi.

Dr. Neena Pandey, Speaker, Women Empowerment on 24th January, 2018, at Department of English, Ch. Bansi Lal University, Bhiwani.

Prof. Neera Agnimitra, Introductory Remarks, in a Seminar on "Beyond Prison Walls: Conversation on Prisoners' Rights" organised by Tihar Prisons in collaboration with the Bureau of Police Research & Development, Commonwealth Human Rights Initiative (CHRI) & Delhi School of Social Work. 23rd September, 2017, NDMC Convention Centre, New Delhi.

Prof. Neera Agnimitra, Moderated, a session on Public Policy Implications and Role of Civil Society in Ensuring Well Being and Empowerment of the Elderly at a National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society, 17th and 18th February, 2018, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Key Note Address at a Seminar on Break the Barriers: Encouraging survivors of sexual and gender based violence to overcome barriers and access timely medical & psychological care in collaboration with *Medecins Sans Frontieres (Doctors without Borders)*, 16th March, 2018, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Introductory Remarks at Dr. Bhim Rao Ambedkar: A Multifaceted Personality: The 3rd Annual Ambedkar Lecture on "Dalit Identity: Emerging Social Coalitions of the Marginalized Communities", 21st April, 2017 Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Introductory Remarks, in a workshop on Systematic Reviews and Meta-Analysis by Dr. Howard White, CEO, Campbell Collaboration. 10th July, 2017, International Guest House, Delhi University (North Campus), 7, University Road, Delhi 110007.

Prof. Neera Agnimitra, Moderated, a session on Contemporary Challenges of Neoliberal Economic Policy and Idea of Just Society at National Seminar on 'Social Justice in Neoliberal Times: Issues and Concerns', 16th-17th April, 2017, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Presidential Remarks on “Women's Leadership Summit” organised by Women's Manifesto and Department of Social Work, University of Delhi. 8th April, 2017, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Basic Understanding of Social Research and its Process, on 24th November, 2017 at Faculty of Law, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Ecological Perspective in Social Work Research: A Special Focus on Environment and Disaster Management at the Orientation Programme for the newly registered M.Phil/PhD. students, 28th August, 2017, School of Social Work, IGNOU, New Delhi

Prof. Neera Agnimitra, Speaker, on Ethical Issues in Social Sciences Research, at Amity Institute of Behavioural and Allied Sciences, Amity University, Manesar, Gurugram, Haryana on 11th April, 2017.

Prof. Neera Agnimitra, Speaker, on Field Work as the Signature Pedagogy of Social Work Education and Practice on 31st October, 2017 at Dr. Bhim Rao Ambedkar College, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Gender as Cross Cutting Theme in Floods and their Management at the Panel Discussion on ‘Flood and its Aftermath: Coping with the Annual Disaster’, 16th November, 2017. Centre for North East Studies and Policy Research, Jamia Millia Islamia, New Delhi.

Prof. Neera Agnimitra, Speaker, on Mental Health Issues and University Youth: The Imperative for a Resilient Youth Work Force at the World Congress of Mental Health, 3rd November, 2017, Hotel Ashok, New Delhi.

Prof. Neera Agnimitra, Speaker, on Migrant Labour: Context and Perspectives at the Seminar on Migrant Labour: Rights and Concerns. 3rd February, 2018. Department of Social Work and Sadbhav Mission, Department of Social Work, University of Delhi

Prof. Pamela Singla, Chaired, a session on ‘Best practices in elder care through formal and informal support systems’, 17th February, 2018 for a two day National Seminar on Empowering Elderly, organised by Department of Social Work, DU and NISD, 17-18th February, 2017, Auditorium, Department of Social Work, University of Delhi

Prof. Pamela Singla, Delivered, a lecture on ‘Understanding Gender through Skill Lab’, Talk delivered to M.A. students, Jamia Millia Islamia, Social Work Department, Conference Room, on 8th August, 2017

Prof. Pamela Singla, Delivered, a talk on ‘Sensitizing on Gender’ to scientists of DRDO organised by DRDO, DESIDOC, 5th March, 2018, Metcalfe House

Prof. Pamela Singla, Moderated, a session on ‘Empowerment: Scope, at a Women Leadership Summit, Organised by Department of Social Work, University of Delhi and Women’s Manifesto, Delhi with support from Human Welfare Foundation, Delhi, Auditorium, Department of Social Work, University of Delhi, 8th April, 2017

Prof. Pamela Singla, Moderated, a session on ‘State of Justice: Critical assessment of welfare policies and programmes’, 17th April, 2017, ‘National Seminar on Social Justice in Neo Liberal Times: Issues and Concerns’, Organised by Department of Social Work, DU, ICSSR, Auditorium, Department of Social Work, University of Delhi, 16-17th April, 2017

Prof. Pamela Singla, Presented, a paper on ‘Discrimination in Health and Reproductive Rights of Women in India’, Paper presented at National seminar on the Theme: Women Empowerment In India: Challenging Stereotypes and Strengthening, Organised by NHRC and Amity University, At Amity Law University, Noida. 25th October, 2017

Prof. Pamela Singla, Presented, a paper on ‘Ethics and Research Management’ on 31st January, 2018, in the three day National Workshop on ‘Research Methodology’, organised by Women’s College, Parade Road, Jammu University, 30th January to 1st February, 2018, Auditorium, Women’s College

Prof. Pamela Singla, Presented, a paper on ‘Setting the parameters for safety, security and enabling environment for women’ paper presented at a Regional Consultation. Theme: Gender Sensitive Best Practices, Implementations and Capacity Building of Police officials’ organised by Centre for Social Research in association with Hanns Seidel Foundation (Germany) at India Habitat Centre (Amaltas), New Delhi. 30th November, 2017

Prof. Pamela Singla, Speaker, on ‘Feminism and Social Work’, For capacity support officers and social workers of Special Service Unit (Ministry of Home Affairs, Nirbhaya Fund), Department of Social Work, University of Delhi, 28th September, 2017, Auditorium, DSW

Prof. Pamela Singla, Speaker, on 'Feminisms and Social Work Practice', Seminar Series in Social Work, Ambedkar College, University of Delhi, 9th November, 2017, Auditorium, Ambedkar College

Prof. Pamela Singla, Speaker, on 'Fieldwork in Qualitative Research', 17th November, 2017, Training Programme on 'Qualitative Methods in Labour Research, 13th – 24th November, 2017 at V.V. Giri National Labour Institute, Noida, Conference room

Prof. Pamela Singla, Speaker, on 'Gender and Field narratives' Organised by Women Studies and Development Centre, University of Kashmir (KU), 19th December, 2017, Srinagar (J&K)

Prof. Pamela Singla, Speaker, on 'Gender Sensitization and Women's Issues', Organised by Gitarattan International Business School (GIBS), New Delhi, 11th October, 2017, GIBS Conference Room

Prof. Pamela Singla, Speaker, on Gender, Culture and Development, 43rd Advanced Professional Programme in Public Administration for Senior Government Officers, IIPA, 21st September, 2017, Conference Room, IIPA, New Delhi

Mr. Pratap Chander Behera, Presented, a paper on 'Making Meaning of Demographic Trends in the Context of Elderly Care', in a National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society at Department of Social Work, University of Delhi on 17 – 18th February, 2018

Mr. Pratap Chander Behera, Presented, a paper on Dalit Human Rights and Social Work Practice in a National Conference on Indian Social Work: Scope and Challenges held on 14-15th, March, 2018 at Ambedkar College, University of Delhi

Mr. Pratap Chander Behera, Presented, a paper on Migrant Workers, Human Rights and Social Work Practice", a paper presented on a one day seminar of "Migrant Workers: Rights and Concerns", organised by Sadbhav Mission, Delhi and Department of Social Work, University of Delhi, on 3rd February, 2018

Ms. Preeti Jha, Presented, a paper on 'Social Intervention Through Social Enterprises: A Business Centric Approach to Social Work', A paper presented at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10th to 12th November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady

Dr. Pushpanjali Jha, Delivered, a lecture on 'Critical Social Work: The historical trajectory and approaches in Social Work' to M. Phil and PhD students at Indira Gandhi National Open University (IGNOU) on 25th September, 2017

Dr. Pushpanjali Jha, Delivered, a lecture on "Critical Social Work: The most contemporary framework in Social Work" to M. Phil and PhD students at Indira Gandhi National Open University (IGNOU) on 3rd November, 2017

Prof. Sanjai Bhatt, Key Note Address on 'Trends and prospects in Social work Education in India' in National Conference on " Re-imaging Social Work Education in the Outcome based Perspectives and Practices" organised under DYUTI (Development Yearning for a United and Transformed India) at Rajagiri School of Social Work, Rajagiri College of Social Sciences (Autonomous) on 4th&5th January, 2018 : Also Panellist in the panel Discussion on Students' Perspective on Outcome based Social Work Education

Prof. Sanjai Bhatt, Key Note Speaker, in the Workshop "Future Role of Central Social Welfare Board, State Social Welfare Boards on Empowerment of Women and Development of Children and its Restructuring" organised by CSWB, New Delhi held on 26th May, 2017 at Hyderabad, Telangana

Prof. Sanjai Bhatt, Key Speaker, in Social Work Profession and Healthy Workplace: Issues and challenges at WCMH-NAPSWI Symposium (SY -40) on *Mental Health at Workplace and Social Work Profession*, (3rd November 2017), World Congress of Mental Health organised by World Federation for Mental Health (WFMH) World Congress 2017 at New Delhi, 2nd-5th November, 2017

Prof. Sanjai Bhatt, Speaker, in National Consultation on the National Indicators for the SDGs Implementation, organised by Beyond Copenhagen and other CSOs at Delhi on 6th April, 2017 at Lecture Hall No. 2, IIC Annexe

Prof. Sanjai Bhatt, Valedictory Address, in Two Days Workshop on "Case Work Intervention through Counselling" Center for Social Work, organised by Punjab University, Chandigarh on 19th -20th January, 2018

Dr. Sanjay Roy, Speaker, on Implementation of Sustainable Development Goals and Development of 15 years vision documents, Government of N.C.T. of Delhi, organised by Department of Women and Child Development, Government of Delhi, on 6th April, 2017

Dr. Seema Sharma, Chaired, a session in a seminar on Empowering Elderly in Vulnerable Constituencies, held at the Department from 17 - 18 February, 2018

Dr. Seema Sharma, Chaired, a session in a seminar on Social Justice in Neoliberal Times- Issues and Concerns, held at the Department on 16-17 April, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Culture in Human Service Organisations' Lecture delivered at CEC UGC for their MOOCS programme, on 29th September, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Introduction to PRA techniques as part of supportive field work Instructions' in Department of Social Work, University of Delhi, in November 2017

Dr. Seema Sharma, Delivered, a lecture on 'Managing Personnel in Human Service Organisations', Lecture delivered at CEC UGC for their MOOCS programme, on 29th September, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Scope of human resource management in Social work profession', Lecture delivered at Aditi Mahavidyalaya, University of Delhi in July, 2017

Dr. Seema Sharma, Delivered, a lecture on Skill lab on Balance Score Card for students of M.A. HRM on 22.02.2018 at Department of Social Work, Jamia Millia Islamia

Ms. Shashi Rani, Presented, a paper on " Social Inequalities in India and Health Status of Dalits: Issues and Concerns ", in the National Conference on: "Health and Well Being: Community as Solution", held on 22-23 March, 2017 in New Delhi. Organised by Caritas India, at USI, Vasant Vihar, New Delhi, Delhi 110057

Ms. Shashi Rani, Presented, a paper on "Market and Elderly: An Insight into Care and Consumerism", in the National Conference on "Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society, held on 17th to 18th February 2018, organised by Department of Social Work, University of Delhi in collaboration with National Institute of Social Defence (MoSJ & E, GOI)

Ms. Shashi Rani, Presented, a paper on "Social and Structural Inequality in Health: Challenges and Prospects of Sustainable Development" in National Seminar Held on "Changing Paradigms for Economic and Sustainable Development" on 17th February 2018, organised by Indirapuram Institute of Higher Studies, Ghaziabad, Uttar Pradesh, India.

Ms. Shashi Rani, Resource Person, for "Family counselling in situation of conflict and Disputes" in training programme organised by Directorate of Training, UTCS, for Mahila Panchayat Staff working with DCW, 8th January 18 to 18 January 2018

Ms. Shashi Rani, Resource Person, for "*Social Work, Laws and Rights*", in orientation programme organised by Department of Social Work, University of Delhi, 31st July, 2017

Ms. Shashi Rani, Resource Person, for "*Soft Skills at Workplace*", for the staff of Tihar Jail, 24th May, 2017

Ms. Shashi Rani, Resource Person, for '*Counselling Skills*' in training programme organised by Social Service Unit of Delhi Police for social workers and Support Officers at Delhi School of Social work, University of Delhi 29th September, 2017

Ms. Shashi Rani, Speaker, on "CCI's Functionaries Training Knowledge Enhancement: Individual Care Plan (ICP)", in the Training Programme of "Child Care Institutions (CCIs) functionaries on Individual Care Plan and Gender Sensitivity", Jointly organised by Delhi Child Protection Unit -V, AV Baliga Trust" and Department of Social Work, University of Delhi, held on 2nd and 3rd February 2018, at Delhi University Guest House, Delhi

Ms. Shashi Rani, Speaker, on "*Marginalization and Social Justice*", in orientation programme, Aditi Mahavidyalaya, University of Delhi, 21st July, 2017

Mr. Sudhir Maske, Presented, a paper at National Conference on Indian Social Work: Scope and Challenges. Insights from Practice Wisdom on 15th March, 2018 at Dr. Bhim Rao Ambedkar College, University of Delhi

Mr. Sudhir Maske, Speaker, on "Dalit Entrepreneurship: Research Study Insight on Twenty Five Percentage of Indian Population" on 9th Dec, 2017 at Dy. Speaker hall, Constitution Club, Rafi Marg, Patel Chowk, Delhi

Prof. Sushma Batra, Speaker, on Knowledge Gap: How can we increase the availability and quality of Research on Intellectual and Developmental Challenges., 27-10-2017, Amrit Foundation of India

Prof. Sushma Batra, Speaker, on Medical Ethics: Doctor- Patient Communication and Behavioural Issues, 17-06-2017, Lady Harding Medical College, Delhi University

Prof. Sushma Batra, Speaker, on Essential Qualities of Professional Social Workers, 9.11.2017, Dr. BhimRao Ambedkar College, Delhi University

National/International MOUs Signed

The Department has International associations with Institutions/Universities/Research Organizations such as Asian Pacific Association for Social Work Education (APASWE), Campbell Collaboration, University of Calgary (Internship Programme), University of New Zealand, Massey University, University of South Australia, University of Maryland and University of Brussels.

Other Inter-Institutional Collaboration

The Department has National and International collaborations with premier Social Work Institutions, such as Tata Institute of Social Sciences; Department of Social Work, Jamia Millia Islamia, Delhi; Aligarh Muslim University; M.S. University, Baroda; National Institute of Rural Development, Hyderabad; Central University of Rajasthan, among others. The Department has also collaborations with various reputed institutions like Delhi Police, Child Care Institution (CCI), Delhi Child Protection Unit –V, A.V. Baliga Trust and Tihar Prison. The Department is in vibrant partnership with about 100 governmental and non-governmental organisations for its Concurrent and Block Field Work programmes. The Department is also a research partner with many governmental and non- governmental organisations.

Students under Exchange Programme

A number of student groups from Schools of Social Work in India visited the Department for exchange of ideas and best practices in social work with each other. The Department actively pursued the goal of facilitating exchange of students with foreign Universities. For instance, discussions were held with School of Psychology, Social Work and Social Policy University of Australia, for an exchange programme. Students from University of Brussels and University of Maryland held discussions with the Department students for exchange of ideas.

Placement Details (Number and percentage of students placed)

- Number of students placed: 57
- Percentage of students placed: 98 per cent
- Number of Companies visited for campus recruitment: 36

Extension and Outreach Activities

The Department has a number of extension and outreach programmes. Two extension programmes namely Centre for Community Development and Action (CCDA) and Centre for Child and Adolescent Well Being (CCAW) have been an integral part of the Department.

The activities of Centre for Community Development and Action (CCDA) have ranged from Self Help Groups, health programmes, vocational training, programme for the elderly, legal aid programme, non-formal education (NFE), nutritional awareness programme and the balwadi programme in Burari. Presently, the Centre is working in Ajit Vihar, Burari with focus on children, adolescents and women's well being with a participatory approach.

The Centre for Child and Adolescent Well Being (CCAW) is functioning from the premises of the Department to provide diagnostic, treatment and referral services to emotionally disturbed and socially deprived children, adolescents and to their families.

In addition, the Department successfully extended the outreach and the Community Development Cell of the University of Delhi of which the Department is the coordinator and also initiated work under Unnat Bharat Abhiyan.

Under the Community Development Cell (CDC), the Department has adopted five villages in the periphery of Delhi. These are Badarpur Khadar, Chauhan Patti, Jagatpur, Mukundpur and Jharoda. The Department continued to work for the second year under the programme. Education, livelihood and health were the main focus of these initiatives. Using the participatory approach, interventions were made at various levels be it sensitization, workshops, sessions by experts and facilitation of the health services through health camps.

Work under the Unnat Bharat Abhiyan initiative for the University of Delhi is also spearheaded by the Department. Need based and participatory community development initiatives were organised by the students and faculty of the Department over the year.

In addition, the Department continued to provide technical guidance and management skills to non-governmental organizations in the area of disability and rehabilitation, gender work, ecology and disaster management, community participation, elderly care and CSR, among other fields of social work practice. The Department also collaborates with national and international professional organizations for growth and development of Professional Social Work.

Number of M.Phil./Ph.D. Degrees Awarded

- (i) Ph.D.: 01
- (ii) M.Phil.: 11

Faculty Strength

- (i) Permanent: 18
- (ii) Ad-hoc: 02
- (iii) Guest Faculty: 07

Other Significant Information

The Department has emerged as a premier institution of social work education in India. It has forged close linkages with diverse civil society groups, non-government and government organizations, hospitals, industries, schools communities as well as peoples' movements and citizen's groups across India. It has not only developed strong network with them, but also enjoys a meaningful, reciprocal and functional relationship with them. It is in this background that the Department plans to emerge as a Resource Centre for upcoming Schools of Social Work in helping them achieve standardization and uniformity in the curriculum and pedagogy. The Department also aims to become a lead institution by establishing three new centres: Centre for Community Engagement and Development Practice (CCED), Centre for Differently abled and Older Persons (CDPO) and Centre for Corporate Social Responsibility (CCSR).

During the year, Department focused on its research interests in the area of the weaker sections and the marginalized communities in India. It also extensively engaged with the issues of identity, CSR and environment. It is in recognition of the Department's contribution to higher academic research and research excellence, that the University Grants Commission (UGC) had sanctioned the Department of Social Work, University of Delhi as a Centre of Advanced Study (CAS) in Social Work

SOCIOLOGY

Major activities and achievements

In 2017-18 the Department completed its 49th year as a Centre of Advanced Study in Sociology. It is the first department of sociology in the country to have become a centre of advanced study. Professor JPS Uberoi received the Delhi University Distinguished Teacher (retd.) Award in May 2018. This is the third consecutive year in which the department has been honoured in this way. Professor AM Shah received the award in 2016 and Professor Andre Beteille in 2017. The year has been quite eventful with six workshops being held of which four were specifically meant for students; and twenty two presentations at the Sociological Research Colloquium. The colloquium is one of the oldest traditions of the department instituted in 1959 when the department was first established. Nine Pre-PhD seminars were held and the department hosted six visiting fellows. Five scholars from foreign universities were affiliated with the department in this period.

Honours/Distinctions:

Prof. Nandini Sundar: Malcolm Adiseshiah Award, 2017 (for Distinguished Contributions to Development Studies).

Publications

Abraham, J. (2017). Hindu and Muslim veiling in north India: Beyond the public/private dichotomy. In

Anna-Mari Almila and David Inglis (Eds.), *The Routledge International Handbook to Veils and Veiling Practices*. London and New York: Routledge. ISBN: 978-1-472-45536-9.

Abraham, J. (2017). Academic appraisal. In Babu Zachariah (Ed.), *The Best of Thiruvalla: Towards Modernity and Beyond*. Thiruvalla: CSS. ISBN 978-8-178-21682-9

Abraham, J. (2017). Matriliney did not become patriliney: The transformation of Thiyya 'tharavad' houses in 20th-century Kerala. *Contributions to Indian Sociology*, 51(3), 2287-312.

Abraham, J. (2017). Setting sail for Lakshadweep: Leela Dube and the study of matrilineal kinship. *Indian Journal of Gender Studies*, 24(3), 438-454.

Agrawal, A. (2017). Changing cultures of photography: Visualising visual access/excess in tourist places. *Society and Culture in South Asia*, 3 (1): 92-100. (Photo Essay) ISSN: 2394-9872.

Kamei, A., & Sharma, J.P. (2017). Primitive accumulations at the margins: Commodification of land and labour in Chhattisgarh. *Economic and Political weekly*, 52 (28), 64-75. ISSN: 0012-9976.

Bardhan, V. (2017). Aspects of human migration in 21st-Century India. *Madridge Journal of Behavioral and Social Sciences*, 1(1), 1-26.

Chatterji, R. (2017). Pardhano ki vachik parampara me Ramkatha (Ramkatha in the oral tradition of the pardhans). In Vasant Nirgune (Ed.), *Janjati Jeevan me Ram* (pp. 40-49). New Delhi: Vani Prakashan. ISBN: 978-93-87155-01-5.

Chatterji, R. (2018). 9/11 and the folk artists of Bengal. In Uwe Skoda and Birgit Lettmann (Eds.), *India and its Visual Cultures: Community, Class and Gender in a Symbolic Landscape* (pp. 113-141). New Delhi: Sage. ISBN: 978-93-864-4668-8.

Chopra, R. (2017). Seeing off the dead: Post-mortem photographs, in the Darbar Sahib. *Sikh formations: Religion, culture, theory*, 12 (2-3): 207-222. ISSN: 1744-8727.

Chopra, R. (2018). A museum, a memorial, and a martyr: Politics of memory in the Sikh golden temple. In Uwe Skoda and Birgit Lettmann (Eds.), *India and Its Visual Cultures: Community, Class and Gender in a Symbolic Landscape* (pp. 255-77). New Delhi: Sage.

Dasgupta, A., & Minoru, M. (Eds.). (2017). *Rethinking Social Exclusion in India: Castes, Communities and the State*. London & New York: Routledge. ISBN: 978-1-138-28217-9.

Dasgupta, A. (2017). Affirmative action and exclusion of the Muslim outcastes in West Bengal. In Minoru Mio & Abhijit Dasgupta (Eds.), *Rethinking Social Exclusion in India: Castes, Communities and the State* (pp 102-110). London & New York: Routledge. ISBN: 978-1-138-28217-9.

Palriwala, R., & E. Hill. (2017). India: economic inequality and social reproduction. In M. Baird, M. Ford, and E. Hill (Eds.), *Women, Work and Care in the Asia-Pacific* (pp134-148). New York and London: Routledge. ISBN: 978-1-138-11904-8.

Palriwala, R. (2017). Debating gender inequality: culture, economics and choice. *Indian Journal of Gender Studies*, 24(3), 422-437.

Sawhney, C. (2017). [Review of the book Displacement and exile: The state refugee relations in India. By Abhijit Dasgupta]. *Indian Anthropologist*, 47(1), 103-105. ISSN: 0970-0927.

Sawhney C. and Mehrotra, N. (2017). Displacement from Kashmir: Gendered responses. In Vibha Arora and N. Jayaram (Eds.), *Democratisation in the Himalayas: Interests, Conflicts, and Negotiations* (pp 186-202). London: Routledge. ISBN: 978-1-138-03829-5. (Reprinted).

Singh, S. (2017). Challenges in agriculture: Some reflections from a micro-study. In Baleshwar Thakur et al. (Eds.), *Regional Development: Theory and Practice* (pp 17-35). New Delhi: Concept Publishing House. ISBN: 978-9-351-25207-8.

Thapan, M. (2018). Social, ecological and moral vision for inclusive education: J. Krishnamurti and Educational Practice. In Meenakshi Thapan (Ed.), *Education and Society in South Asia* (Vol.1). Delhi: Oxford University Press.

Thapan, Meenakshi. (2017). *Sociology and Social Anthropology of Education in South Asia* (Vols. 1-2). London: Sage.

Vasan, S. (2017). Being Ladakhi, being Indian: Identity formation, culture and community. *Economic and Political Weekly*, 52 (14), 43-49. ISSN: 0012-9976.

Vasan, S., Nawan, N., & Kothari, A. (2017). Introduction to review of environment and development. *Economic & Political Weekly, L11* (31), 41-43. ISSN: 0012-9976.

Journals:

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board: 12

Research Projects:

Dr. Anuja Agrawal worked on a research project, 'Arya Samaj and Marriage.' She received an R&D grant of Rs 40,000 from the University of Delhi.

Prof. Roma Chatterji

has been working on a project on 'Words and Images: Intermedial Translations in Narrative Traditions. She received a grant of Rs 2 lakhs 80 thousand from the India Foundation for the Arts. The project period was from November 2015 to August 2017.

Dr. Radhika Chopra is Principal Investigator, in the University of Bergen and University of Delhi Collaborative Project: Indian Cosmopolitan Alternatives: Ritual Intersections and the Proscription of Religious Offence. The ongoing project began in 2014.

Prof. Rajni Palriwala was a Consultant/Technical Advisory Committee Member for a University of Portsmouth, ICRW and IMC Project on *Violence against women and girls as an unintended outcome of women's economic empowerment: understanding new gender dynamics within the domestic, public and work spaces*. Funded by DIFD, January 2016-March 2017.

Prof Meenakshi Thapan is engaged in a bilateral research project on *Aspects of Religion in South Asia with special reference to India and Japan*, in collaboration with Professor Akiko Kunihiro, Waseda University, Tokyo, under the joint auspices of ICSSR (India) and JSPS (Japan). This project entails the organisation of two meetings in India and in Japan on the theme with research presentations by young scholars and senior faculty from India and Japan in 2017-2018. The outcome in the form of an edited volume in English will be submitted to a publisher in India. The first meeting has taken place at Waseda University, Tokyo, in November (23-26 November) with rich presentations and feedback that will lead to revised papers for presentation at the second meeting aimed for March 2018 in Delhi University.

She has also been, for the past one year, anchoring an initiative to create, prepare and organise curriculum material for a rich audio-visual, online teacher education programme for elementary school teachers across the country. Located at the Rishi Valley Institute for Educational Resources (RIVER), this programme has already evoked the interest of the A.P. government for implementation in DIET Centres. The details and modalities for implementation at state-level are being worked out.

Seminars Organised

32, Sociological Research Colloquium held every week.

Conferences Organised

Workshop on Ethnographic filmmaking.

- Event and Everyday: Empiricisms and Epistemologies.
- Academic Reading and Writing Workshop.
- Pre-Exam Workshop.
- Research Scholars Workshop.
- Gender, Reproduction and Culture: A Seminar.
- Workshop for Ph.D. students on Qualitative Methodology.
- Identities and Education.

All conferences were funded by the Centre of Advanced Studies in Sociology Programme

Seminar/Conference Presentations

'Consent and marriage,' presented at a Round Table discussion on "Consent" at the LASSnet International Conference held in New Delhi, in December 2017.

'Understanding the shifts in rules of endogamy,' a lecture to BA 3rd year students at Janki Devi Memorial College, University of Delhi on 8 March 2017.

'The lives of others: the production and influence of neighbourhood cultures in towns in India' was presented at a seminar at Mumbai University, in February 2017.

'Unending stigma: denotified communities in India' at Politik'17, organised by the Department of Political Science, Kamla Nehru College, University of Delhi on 2 March 2017.

'Event: a way of knowing' and 'Opening/closing remarks' at the workshop on "Event and Everyday: Empiricisms and Epistemologies" at the Department of Sociology, University of Delhi on 23 March 2017.

'Life, Emergent: The Social in the Afterlives of Violence' at a panel discussion on the book at Center for the Study of Developing Societies (CSDS) Delhi on 2 March 2017.

'WIRED: decoding tech, encoding society,' presented at Miranda House, Department of Sociology Annual Festival, University of Delhi on 15 February 2017.

'The state and the folk arts in India,' at "Society and Governance: Comparative Studies on India and China" organised by India-China Comparative Centre, School of Public Administration, Xiangtan University, China on 10 June 2017.

'From comic book to chitrakar performance: a case of intermedial translation,' presented at "Visual South Asia: Anthropological Explorations of Media and Culture" University of Dhaka, Bangladesh, 10-11 May 2017.

'Myths, similes and memory traces: imageries of abduction in the Ramayana universe,' presented at Shiv Nadar University, Greater Noida on 20 April 2017.

Panel Discussant at 'Crossing Borders, Boundaries and Temporalities: A Conversation on History, Myth, Politics and Art' around the mixed media art project on "A Tale of Two Cities. Varanasi and Anuradhapur" organised by Gallery Espace, Serendipity Arts Trust, Teertha Artists Collective and South Asia University at Twin Arts Gallery, IGNCA, Delhi on 29 March 2017.

'Myths, similes and memory traces: imageries of abduction in the Ramayana universe' at "Interpreting Culture: Subjectivity, Ideology and Identity," organised by School of Social Science, IGNOU on 16-17 March 2017.

Panel Discussion on 'Uncertain Ground. Displaced Kashmiri Pandits in Jammu and Kashmir by Ankur Datta' on 24 February 2017.

'Scripting the folk: folklore and the imagination of place' was presented at "Writing India: Revisiting Historiographies, Ideology, and Genre" organised by Centre for English Studies, JNU on 16-17 January 2017.

'Fathers and fatherhood' presented at a conference on "Difficult Dialogues" at University College London on 9-11 February 2018.

'1984: Exhuming Memories,' Seminar on "1984 Anti Sikh Riots and its Legacy," presented at School of Liberal Arts, Ambedkar University, Delhi on 15 September 2017.

'Who's the greatest of them all? Martyrs in Souvenir Art' presented at School of Social and Political Science, University of Edinburgh on 24 March 2017.

'Rethinking religious synthesis in India: an endangered cosmopolitan alternative?' presented at "Bazaar Divinity Workshop," University of Sydney on 5-6 January 2017.

'Affirmative action and Muslim Dalits in West Bengal' at the conference on 'Society and Governance: Comparative Studies on India and China' held at Xiangtan University, Xiangtan, China on 9-12 June 2017.

'The making of the Muslim Dalits in Bengal' at the conference on "Marginality(ies), Minor(ity) and Identities" at the Centre for Studies of Discrimination and Exclusion, JNU, on 16 January 2017.

'Methodological persuasion and the social sciences,' Invited lecture at Department of Sociology, Thunchath Ezhuthachan Malayalam University, Tirur, 6 July 2017.

'Nammukku jati undo: the long road to a caste-free society,' Public Lecture at Kozhikode, organised by Thunchath Ezhuthachan Malayalam University, Tirur, 5 July 2017.

Panelist for "The dynamics of dominance", Synthesis Talk (SynTalk), Mumbai on 27 May 2017.

Invited lecture on the occasion of Ambedkar Jayanti, School for Democracy at Gargi College, New Delhi on 7 April 2017.

Valedictory respondent for the conference on "Engineers and Society in India" EHESS, Paris on 27-28 March 2017.

‘Discrimination based on social hierarchies,’ Invited lecture at the Samagam ’17, the annual festival of the BA Programme Union, Lady Shri Ram College, New Delhi on 24 March 2017.

Panelist in panel on ‘Taking humanities and social sciences seriously,’ at the conference on “Universities of the Future” at O.P. Jindal University, Sonapat, on 19 March 2017.

‘Methodological persuasion,’ Inaugural lecture at Orientation Programme on Social Science Research, Institute for Studies in Industrial Development, New Delhi on 6 March 2017.

Panelist at theme panel ‘How Does Social Exclusion Impact Health?’ at the conference, “Difficult Dialogues Conference”, Goa on 11 February 2017.

‘Higher education in contemporary India’ invited lecture at Department of Sociology, Aligarh Muslim University, Aligarh on 4 February 2017.

Panelist at pre-conference colloquium on “The Flux in India’s Higher Educational System” organised by the Indian Association for Women’s Studies, Fifteenth Conference, Chennai on 21 January 2017.

‘Notes on the conceptual career of the vote bank’ at the conference on “Nation, Community and Citizenship in Contemporary India” at National Institute of Advanced Studies, Bengaluru on 9 January 2017.

‘The labour and morality of care: policy contestations and practices’ at an ICSSR sponsored National Seminar on “Rethinking Gender and Body in Times of Health Sector Reforms in India” at the Central University Gujarat, Ahmedabad.

‘Domestic workers and gendered violence: notes towards understanding movement practice and knowledge creation in a post-colonial/decolonial framing’ at a panel on “Rethinking Decolonial and Postcolonial Knowledges beyond Regions” organised by the Royal Geographical Society, IBG Annual Conference, London.

‘Social policy, gender and governance’ at the international conference on “Governance in India and China in a Comparative Perspective” organised by the India-China comparative Research Centre, School of Public Administration, Xiangtan University, at Xiangtan University on 10-12 June 2017.

‘Studying gender and the social in the organisation of care in India’ at the workshop on “Comparative and International Social Policy Theories and Methods: Advances in Research and Practice in International Development Studies and Social Policy” organised by Centre for Development Studies, University of Bath, OP Jindal Global University and Social Policy Association, in Delhi on 24-26 May 2017.

Reflections on the challenges facing women in South Asia’ at a workshop on Women, Work and Violence, organised by the University of Portsmouth, ICRW and IMC Worldwide, held in Kathmandu, 15 March 2017.

‘Structures, processes and relations in women’s oppression today,’ at a panel on “Normalising Patriarchy in Twenty-First Century India”, organised by the Department of Political Science, Zakir Husain Delhi College, University of Delhi on 8 March 2017.

‘Myriad oppressions and myriad struggles,’ at a panel on “Women in Search of Justice” organised by the All India Lawyers Union at Tis Hazari Court on 7 March 2017.

‘Region, language and comparison in doing Sociology,’ at Thunchath Ezhuthachan Malayalam University, Tirur, Kerala on 3 March 2017.

Rationality, instrumentality, and the affective: framing relations of care and intimacy’, at the Department of Sociology, School of Social Sciences, University of Hyderabad on 20 February 2017.

‘Changing contours of paid and unpaid work of women in India.’ Invited speaker (with N. Neetha) at the plenary on “Changing Contours of Paid and Unpaid Work by Women in 21st Century South Asia” at the XV National Conference of Women’s Studies, organised by the Indian Association of Women’s Studies, held at Chennai.

‘The Books that I would have liked to write: ethics, accidents and ethnography,’ DS Kothari Memorial Lecture on 17 January 2018.

Lecture on ‘Folklore and village histories,’ Vaghdevi Literature Festival, at Bhuwaneshwar, Odisha on 13 January 2018.

‘Academic freedom,’ at Kazi Nazrul Islam University, Asansol, West Bengal on 15-16 December 2017.

‘The Indian university today: our intellectual and professional obligations,’ Malcolm Adiseshiah Memorial Lecture on 21 November 2017.

‘Hostages to democracy,’ Indo-American Community Chair Lecture,’ Berkeley University on 2 November 2017.

‘Indo-American Community Chair,’ at Berkeley 29 October-5 November, 2017.

Plenary Address at the South Asia Conference, Madison, Wisconsin on 28 October 2017.

Conversation with Dolly Kikon, at ‘Democracy and its trajectories. India at 70.’ Oslo, organised by University of Bergen on 5-7th October, 2017.

‘Indian democracy in the mirror of Chhattisgarh,’ Chandrasekhar Memorial Lecture, Patna on 20 September 2017.

‘Law and lawlessness in the badlands of Bastar,’ lecture delivered at NALSAR on 11 September, 2017.

‘Intolerance and perils of democracy,’ Abhi Dutta Memorial Lecture on 22 June 2017.

‘Searching for politics at a time of low-intensity fascism,’ UAES-CASCA plenary on 5 May 2017.

‘Institutions on trial,’ Ashoka University, Trivedi Centre for Political Data on 19 April 2017.

‘Litigating against counterinsurgency,’ Soch Series, Jindal Law University on 18 April 2017.

‘A political ethnography of impunity,’ lecture at Nirman Foundation Workshop on “Studying the State,” Centre for Political Studies, JNU on 6 April 2017.

‘Decoding dissent,’ Jamia Sociology Festival, Jamia Millia Islamia on 30 March 2017.

‘Taking humanities and social sciences seriously: intellectual advancements and institutional obligations: four questions,’ Panel at O.P. Jindal Global University, Universities of the Future: Knowledge, Innovation and Responsibility on 19 March 2017.

‘Looking around, not looking down: what we can learn from Adivasi lives,’ Ted-X talk, Delhi Technological University on 18 March 2017.

Panel discussions on ‘The Political Economy of Witch Persecution’ and ‘Land Rights, Land Acquisition and Inclusive Development in India,’ organised by CPR, India International Centre, New Delhi on 2 March 2017.

Book discussion on ‘The Burning Forest’ at India International Centre, New Delhi on 22 February 2017.

‘The heart is a fractured object: chronicling a civil war,’ School of Development Studies, Ambedkar University, Delhi on 15 February 2017.

Panel discussion on ‘Speaking Peace in Times of War,’ International Film Festival on “Peace, Beyond Thresholds of Conflict,” Gandhi Bhawan, Bangalore on 12 February 2017.

Panel on The Burning Forest, titled ‘In Tandem: Class, Privilege and Loss’ Prayaag Akbar and Nandini Sundar, Times Litfest, Bangalore on 11 February 2017.

Keynote Lecture titled ‘Development, displacement and violence: a story in three acts,’ UGC Sponsored National Seminar on “Development induced Displaced,” MG University, Kottayam, Kerala on 31 January 2017.

‘Not human, not animal: does India have room for the Adivasi?,’ Distinguished Lecture at IIIT, Hyderabad on 5 January 2017.

‘India’s war in Bastar,’ lecture at Manthan, Hyderabad on 4 January 2017.

‘J. Krishnamurti’s pedagogic work and global vision for teacher enrichment,’ at a Plenary Session at an International Research Symposium on “Other Ways of Knowing & Doing: Globalizing Social Science Knowledge in Higher Education,” at O.P. Jindal Global University, Sonapat on 11-12 December 2017.

‘The sacred in the everyday: empowering the elementary school teacher,’ at an Indo-Japan conference on “Aspects of Gender and Religion in South Asia with special reference to India and Japan,” at Waseda University, Tokyo on 23-25 November 2017.

Delivered the Foundation Day Address at MV College of Education, University of Delhi on 16 November 2017.

‘Self knowledge and relatedness,’ Invited lecture at a Plenary Session at an international conference on “The Fragmented Self: An Interdisciplinary Exploration into the Notions of Self and Identity in Contemporary Life,” at Indraprastha College For Women, University of Delhi, 30-31 October 2017.

Keynote lecture at the Film Festival Little Europe 2017 ‘Diaspora in Cinema,’ organised by the Department of Slavonic and Finno-Ugrian Studies, University of Delhi on 23-30 October 2017.

‘Doing ethnography,’ to Research Students at Department of Sociology, University of Hyderabad on 21 July 2017.

‘Contemporary relevance of J. Krishnamurti's world-view and educational thought,’ Centre for Comparative and Global Education, OP Jindal Global University, Sonapat on 11 May 2017.

‘Online teacher education programme for elementary school teachers,’ to the Expert Group implementing Secular Ethics in Education, chaired by the Dalai Lama, New Delhi on 28 April 2017.

‘Understanding ethnography and schooling,’ presentation for Research Students at Department of Education (CIE), University of Delhi on 29 March 2017.

‘Finding faith: western imaginings of spiritual India,’ talk held under the auspices of FINDAS (Integrated Area Studies on South Asia) at Tokyo University of Foreign Studies, Tokyo on 7 February 2017.

‘Spiritual striving among single western women,’ at an international conference on “Towards the co-existence of various ‘single’ in global societies” at Tokyo University of Foreign Studies, Tokyo on 2-4 February 2017.

‘Krishnamurti, values and ethics in education,’ at an international conference on “Values and Secular Ethics in Education” organised by the DS Kothari Centre for Science, Ethics and Education, and India International Centre on 19-20 January 2017.

‘Imagining Research,’ Invited Lecture at Center for Communication and Media Governance, JMI on 11 December 2017.

‘Researching in sociology: challenges and opportunities,’ Invited Lecture, Department of Sociology, Karnataka University, Dharwar on 2 November 2017.

Invited speaker, Panel Discussion on " Misuse of 498-A and its inter linkages with masculinity" organised by Jagori on behalf of Delhi Aman Network, at Indian Social Institute, New Delhi on 2 December 2017.

‘Green courts and the production of socio-ecological assemblages in India,’ paper presented at Workshop on “Taking Nature to the Courtroom: Development Projects, Protected Areas and Religious Reform in South Asia,” School of Social and Political Science, The University of Edinburgh, UK, 15-16 June 2017.

‘Vision of the Environment of Delhi-2025,’ Invited speaker at “Dialogue to Develop a Vision of the Environment of Delhi-2025”, organised by India International Center and Green Circle of Delhi at IIC, New Delhi on 5 June 2017.

Invited Lecture on 'Ecological crisis and the logic of capital,' at Academic Conclave at St. Stephen's College, New Delhi on 29 March 2017.

National/International MoUs Signed

LEIDEN UNIVERSITY, THE NETHERLANDS

A five-year Memorandum of Understanding (MOU) with Leiden University, The Netherlands, was signed in 2016. As part of the MOU, it has been agreed to exchange students and faculty members, organize workshops and seminars, and publish books and articles. Under the ongoing MOU, one undergraduate student completed a semester at Hindu College, University of Delhi. There is, in addition, a doctoral student, Tim van Meerendonk, who is doing fieldwork in Maharashtra on agricultural insurance. We hope to provide short fieldwork grants to students in the area of agrarian and economic anthropology. Applications have been invited.

XIANGTAN UNIVERSITY, CHINA

An MOU with Xiangtan University, Hunan, China, is under progress. As part of the MOU, it has been agreed to exchange students and faculty members, organize workshops and seminars, and publish books and articles. Modalities of the exchange programme to be initiated under this MOU were discussed when a delegation of Xiangtan University visited the Department and the University of Delhi in November 2017.

INTERNATIONAL RESEARCH TRAINING GROUP (ITRG)

Minor Cosmopolitanisms. International Research Training Group (IRTG) of University of Potsdam, Freie Universität, Berlin, and Humboldt University with partners – University of Delhi, University of New South Wales, Macquarie University, University of Cape Town, University of Pretoria, York University, Duke University and EFLU, Hyderabad. Funded by DAAD. At University of Delhi, the partners are Departments

of Sociology, Germanic and Romance Studies, and English. As part of this collaboration, a winter school on *Doing Cosmopolitanisms: Dynamics of Theory and Practice* was held at University of Delhi on 6-9 December 2017. The winter school was open to doctoral students of the IRTG, and research students selected from among applicants registered with universities in India, including our Department.

JAGIELLONIAN UNIVERSITY, KRAKOW

An MOU with the Department of Ethnology and Cultural anthropology, Jagiellonian University, Krakow, has been initiated.

Other Inter-Institutional Collaboration

INTERNATIONAL RESEARCH TRAINING GROUP (IRTG)

Minor Cosmopolitanisms. International Research Training Group (IRTG) of University of Potsdam, Freie University, Berlin, and Humboldt University with partners – University of Delhi, University of New South Wales, Macquarie University, University of Cape Town, University of Pretoria, York University, Duke University and EFLU, Hyderabad. Funded by DAAD. At University of Delhi, the partners are Departments of Sociology, Germanic and Romance Studies, and English. As part of this collaboration, a winter school on *Doing Cosmopolitanisms: Dynamics of Theory and Practice* was held at University of Delhi on 6-9 December 2017. The winter school was open to doctoral students of the IRTG, and research students selected from among applicants registered with universities in India, including our Department.

The following scholars visited the Department from Foreign Universities:

1. Mr. Rumsey-Merlean Jesse Peter, Princeton University, New Jersey, USA.
2. Mr. Tetsuya Tanaka, Associate Professor, National Museum of Ethnology, Japan.
3. Dr. RonieParciack, Tel Aviv University.
4. Dr. Kalpana Ram, Associate Professor, Department of Anthropology, Macquari University, Australia.
5. Prof. Supriya Singh, Sociology of Communications, Graduate School of Business and Law, RMIT University, Melbourne, Australia.
6. Professor Kamala Ganesh, Department of Sociology, University of Mumbai (retd.).
7. Dr. Emma Dawson Varughese, Independent Scholar.

Students under Exchange Programme

1. Mr. Tim Van De Meerendonk, Leiden University, Netherlands.
2. Ms. Lucia Gentile, University Milano: Bicocca and Inalco of Paris (awaiting to join).

Extension and Outreach Activities

Prof. Satish Deshpande visited Goa University under the Dayanand Bandodkar Chair in Political Economy of the Visiting Research Professors' Programme and conducted a Research Skills Practicum for research scholars and young faculty from institutions in Goa, 3-7 June 2017. He also visited Karnatak University, Dharwad to conduct a Workshop on Academic Reading and Writing (for research scholars and young faculty in the social sciences and humanities), 11-17 June 2017, organised by the Department of Sociology, Karnatak University in collaboration with the Indian Sociological Society.

Prof. Meenakshi Thapan visited Waseda University, Tokyo, in November 2017. She also visited MV College of Education, University of Delhi, in November 2017.

Dr. Radhika Chopra visited School of Global Studies, Aarhus University, Denmark, 22-24 August 2017.

Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.	: 13
M.Phil	: 21
Faculty Strength	: 16

FACULTY OF TECHNOLOGY
BIOLOGICAL SCIENCES AND ENGINEERING

Major Activities and Achievements

There are three new research projects namely “Purification and characterization of compounds from *Streptomyces chrestomyceticus* strain ADP4 with activities against pathogenic *Candida* spp. and their biofilms”, “Low cost process development for the production of xylitol from waste agricultural biomass with special focus on delignification and downstream processing”, and “Development of a Mammalian Expression System for Generation of Bispecific Antibodies – A Potential Biomarker and Therapeutics”. The projects have been funded by DBT/ DST, Ministry of Science Govt. of India. There are nine publications of research & review articles, one book, four book chapters, twenty one conference presentations as well as a new M.Tech. Degree programme in Biochemical Engineering has been started from year 2017.

Publications

Dubey, A., Mishra, V., Kumar, S., Shahaj Ahmed, S.U., Goswami, S. (2018). Nanotoxicity on human and plant pathogenic microbes and aquatic organisms. In Vineet Kumar, Nandita Dasgupta, & Shivendu Ranjan (Ed.), *Environmental toxicity of nanomaterials*: CRC Press, Taylor & Francis.

Dubey, A., & Sharma, S. (2018). Pharmacokinetics approach for nanotoxicity evaluation. In Vineet Kumar, Nandita Dasgupta, & Shivendu Ranjan (Eds.), *Nanotoxicology: toxicity evaluation, risk assessment and management*: CRC Press, Taylor & Francis.

Joon, S., Gopalani, M., Rahi, A., Kulshreshtha, P., Gogoi, H., Bhatnagar, S., & Bhatnagar, R. (2017). Biochemical characterization of the GTP-sensing protein, CodY of *Bacillus anthracis*. *Pathogens and Disease*, 75, ftx048.

Mishra, N., Dubey, A. (2017). Biobutanol: an alternative biofuel. In Lalit Kumar Singh & Gaurav Chaudhary (Eds.), *Advances in biofeedstocks and biofuels: production technologies for biofuels*: John Wiley & Sons, Inc.

Mishra, V., Dubey, A., Kumar, S. (2017). Algal biomass pretreatment for improved biofuel production. In Sanjay Kumar Gupta, Anushree Malik, & Faizal Bux (Ed.), *Algal biofuels: recent advances and future prospects*: Springer International Publishing.

Mohanty, P., & Bhatnagar, S. (2018). Structure of focal adhesion kinase in healthy heart versus pathological cardiac hypertrophy: A modelling and simulation study. *Journal of Molecular Graphics and Modelling*, 80, 15-24.

Singla, R. K., Scotti, L., & Dubey, A. K. (2017). In silico studies revealed multiple neurological targets for the antidepressant molecule ursolic acid. *Current Neuropharmacology*, 15, 1100-1106.

Singla, R. K., Dubey, A.K., Ameen, S. M., Montalto, S., & Parisi, S. (2018). Analytical methods for the assessment of Maillard reactions in foods (1st ed.): Springer International Publishing.

Sharma, K., Chandra, S., & Dubey, A. K. (2018). Exploration of lower frequency EEG dynamics and cortical alpha asymmetry in long-term rajyoga meditators. *International Journal of Yoga*, 11, 30-36.

Sharma, K., Trivedi, R., Chandra, S., Kaur, P., Kumar, P., Singh, K., Dubey, & A. K., Khushu, P. (2018). Enhanced white matter integrity in corpus callosum of long-term Brahmakumari's rajyoga meditators. *Brain Connectivity*, 8, 49-55.

Sharma, S. (2017). Enhanced antibacterial efficacy of silver nanoparticles immobilized in a chitosan nanocarrier. *International Journal of Biological Macromolecules*, 104, 1740-1745.

Tiwary, M., & Dubey, A. K. (2018). Characterization of biosurfactant produced by a novel strain of *Pseudomonas aeruginosa*, isolate ADMT1. *Journal of Surfactants and Detergents*, 21, 113-125.

Verma, D., Garg, P. K., & Dubey, A. K. (2018). Insights into the human oral microbiome. *Archives of Microbiology*, 200, 525.

Zempel, H., Dennissen, F., Kumar, Y., Luedtke, J., Biernat, J., Mandelkow, E.M., & Mandelkow, E. (2017). Axondendritic sorting and pathological missorting of Tau is isoform specific and determined by axon initial segment architecture. *Journal of Biological Chemistry*, 292, 12192-12207.

Research Projects

Jointly by Indo-US Science and Technology Forum and Department of Biotechnology, 2016, *Indo-US Advanced Bioenergy Consortium*, Rs. 52.845 Lakhs.

DBT, 2017, *Low Cost process Development for the Production of Xylitol from Waste Agricultural Biomass with Special focus on Delignification and Downstream Processing*, Rs.23.0 Lakhs.

SERB-DST, 2018, *Purification and Characterization of Compounds from Streptomyces Chrestomyceticus Strain adp4 with activities against pathogenic Candida spp. and their biofilms*, Rs. 44.85918 Lakhs.

DBT, 2018, *To Study Positive Interaction between Bacteria/carbon Nano Dots with Algae, and the Morphological changes in Algae associated with these kind of interactions in algal fuel cell*, Rs. 8.0 Lakhs.

DBT, 2018, *Analysis of Microbiological Quality of Milk and Dairy Products at Different Food outlets*, Rs. 8.0 Lakhs.

SERB-DST, 2018, *Development of a Mammalian Expression System for Generation of Bispecific Antibodies – A Potential Biomarker and Therapeutics*, Final sanction order is in process.

Patents Filed/Granted

Indian Patent filed, Application No. 201711030467, Novel Anti-Candida Compounds.

Talks Organised

Organised talk on 'Dimorphism: an intriguing phenomenon' by Prof. M. V. Deshpande, CSIR – NCL Pune, February, 2018.

Organised talk on "Epigenetic regulation of the virulence phenotypes in the human pathogen *Cryptococcus neoformans*" by Prof. Marcio Poças, Department of Genetics and Morphology, Institute of Biological Sciences, University of Brasilia, Brazil, February, 2018.

Organised talk on "Recombinant Vaccines for Anthrax" by Prof. Rakesh Bhatnagar, JNU, February, 2018.

Conferences Organised

Organised two day conference BESCON-2017 "National conference on Biological Engineering in 21 century" on 08th-09th September, 2017, at NSIT supported by SERB (DST).

Seminar/ Conference Presentation

Bhatnagar, S. (2017). Central stress response elements in *Acinetobacter baumannii* using integrative network biology approach. 11th International Symposium on the Biology of *Acinetobacter*, 20-22 September, 2017 in Seville, Spain.

Chaubey, A., Dubey, A.K. (2017). Evaluation of potent antioxidant properties of an extract prepared from fruit waste by using *Pichia pastoris* as an experimental model. 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on "Microbes for Sustainable Development: Scope & Applications" (MSDSA-2017), 16-19 November 2017 at BBAU, Lucknow.

Chaubey, A., Dubey, A.K. (2017). Extraction techniques to obtain secondary metabolites from plants. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dadwal, A., Sharma, S., Satyanarayana, T.(2017). Development of thermostable enzyme cocktail for saccharification of lignocellulosics. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Siddharth, K., Singh, M. D., Bhushan, B., Wadhwa, A.K. (2017). Design, fabrication and evaluation of lab scale dairy effluent treatment plant. BESCON-2017: National conference on Biological Engineering in 21 century, , 8-9 September 2017 at NSIT, New Delhi.

Dubey, A. (2107). In vitro cytotoxicity assessment of two organophosphate pesticides in an established fish cell line, WAG. BESCON-2017: National conference on Biological Engineering in 21 century, , 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Bhushan, S., Singh, S., Aggarwal, S., (2017). Cultivation of algal biomass along with phytoremediation of arsenic polluted wastewater. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Motsara, A., Mishra, N. (2017). In silico kinetic modelling of DAP/Lysine pathway for rational drug design. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Gupta, A., Kumar, Y. (2017). Development of bispecific antibodies for treatment of cancer. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Joon, S., Gopalani, M., Rahi, A., Kulshreshtha, P., Gogoi, H., Bhatnagar, S., Bhatnagar, R. (2017). A study of the interaction mechanism of GTP with CodY of *Bacillus anthracis*. International Conference on Medical and Clinical Microbiology, 3-4 July 2017 in Bangkok, Thailand.

Kumar, R., Sharma, S., Satyanarayana, T. (2017). Utility of thermostable xylan-degrading enzymes of *Myceliophthora thermophila* in bioconversion of lignocellulosic crop residues to ethanol. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Mohanty, P., Bhatnagar, S. (2017). Role of phosphorylation in focal adhesion kinase mediated pathological cardiac hypertrophy. BESCON 2017: National conference organised by Biological Engineering Society, 8-9 September 2017 at NSIT, New Delhi.

Mohanty, P., Bhatnagar, S. (2017). Targeted molecular dynamics to determine focal adhesion targeting domain folding intermediates. NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference organised by SciGenom Research Foundation (SGRF) 2-4 October 2017 at KIIT (Odisha). Published in Canadian Journal of Biotechnology, Volume 1, Special Issue, Page 27.

Rai, S., Bhatnagar, S. (2017). Drug targets and lipid biomarkers of hyperlipidemia associated diseases. NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference organised by SciGenom Research Foundation (SGRF) 2-4 October 2017 at KIIT (Odisha). Published in Canadian Journal of Biotechnology, Volume 1, Special Issue, Page 28.

Singh, R., Dubey, A.K. (2017). Anti-infective and anti-biofilm activity of endophyte ADR1 against Methicillin resistant and sensitive *Staphylococcus aureus*. AMI-2017. 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on "Microbes for Sustainable Development: Scope & Applications" (MSDSA-2017), 16-19 November 2017 at BBAU, Lucknow.

Singh, R., Dubey, A.K. (2017). Inhibition of biofilm formation by *Staphylococcus* species by natural products-derived compounds. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Singla, R.K., Dubey, A.K. (2017). α -Amylase inhibitory potential of *Cocos nucifera* endocarp's extract: in vitro and in silico Studies. International Conference on Drug Design (ICDD), 7-9 April 2017 at JNU, New Delhi.

Singla, R.K., Dubey, A.K. (2017). Phytochemical screening and hemolytic activity of dry distilled extract obtained from *Cocos nucifera* Linn. endocarp. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Srivastava, V., Singla, R.K., Dubey, A.K. (2017) Inhibition of secretory aspartyl protease of *Candida albicans* by metabolites of *Streptomyces chrestomyceticus* strain ADP4. MOL2NET 2017, International Conference on Multidisciplinary Sciences, 3rd edition. 3, DOI: 10.3390/mol2net-03-04969

Srivastava, V., Dubey, A.K. (2017). *Candida* biofilms infections, leading cause for morbidity and mortality. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 Sep 2017 at NSIT, New Delhi.

Verma, D., Dubey, A.K. (2017). Characterization of oral microbiome of smokeless tobacco induced oral cancer patients using NGS approach. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Placement Detail

90% placement in Biotech Division.

About 40 companies have visited for campus recruitment.

Number of M.Phil./Ph.D. degrees Awarded

Ph.D.: 02

Faculty Strength

08

COMPUTER ENGINEERING

Major Activities and Achievements

The department conducted international conference TEAMC-2018 sponsored by Springer. Around 43 research publications in reputed international journals and international conferences were published by the faculty and students. The department conducted a one week workshop (DMT3A-2017) Data mining Task tool Technique and application in the month of November-December 2017. There were 60 participants (both from industries and academia) attended the course.

Publications

Aggarwal, G., Sabharwal, S. & Nagpal, S. (2018). Theoretical and empirical validation of coupling metrics for object-oriented data warehouse design. *Arabian Journal for Science and Engineering*, 43 (2), 675-691.

Aggarwal, S., Bhandari, L., Kapoor, K., & Kaur, J. (2017). Weighted fuzzy KNN optimized by simulated annealing for classification of large data: A new approach to skin detection. In *International Conference on Recent Developments in Science, Engineering and Technology* (pp. 156-163). Springer, Singapore.

Aggarwal, S. & Azad, V. (2017). A hybrid system based on FMM and MLP to diagnose heart disease. In *Fuzzy Systems: Concepts, Methodologies, Tools, and Applications* (pp. 682-714). IGI Global.

Aggarwal, S., & Azim, S. (2017). Outliers, missing values, and reliability: an integrated framework for pre-processing of coding data. In *Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making* (pp. 316-330). IGI Global.

Arora, S., Dey, S., Shruti, & Nagpal, S. (2017). Feature selection using gravitational search algorithm for biomedical data. 7th International Conference on *Advances in Computing & Communication (Procedia Computer Science Elsevier)*, Aug 22-24, 2017, India.

Bhatia, M. P. S., Veenu, & Chandra, P. (2018). A new weight initialization method for sigmoidal FFANN. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Bhatia, M. P. S., Veenu, & Chandra, P. (2018). Impact of weight initialization on training of sigmoidal FFANN. *ICTACT Journal on Soft Computing*, 08(03), 1692-1695.

Bhutani, K., & Aggarwal, S. (2017). Neutrosophic rough soft set–A decision making approach to appendicitis problem. *Neutrosophic Sets and Systems*, 70.

Bhutani, K., & Aggarwal, S. (2018). A novel approach for data classification using neutrosophic entropy. In *System and Architecture* (pp. 305-317). Springer, Singapore.

Chaudhary, D., & Kumar, B. (2018). A new balanced particle swarm optimization for load scheduling in cloud computing. *Journal of Information & Knowledge Management*, 17I (1). Doi.org/10.1142/S0219649218500090.

Chaudhary, D., & Kumar, B. (2018). Cloudy GSA for load scheduling in cloud computing. *International Journal of Applied Soft Computing*, doi.org/10.1016/j.asoc.2018.07.046.

Chaudhary, D., Kumar, B., & Khanna, R. (2017). NPSO based cost optimization for load scheduling in cloud computing. *Communications in Computer and Information Science Series*, 746, 109-121.

Chaudhary, D., Kumar, B., Sakshi, & Khanna, R. (2017). Improved bee swarm optimization algorithm for load scheduling in cloud computing environment, *Communications in Computer and Information Science Series*, Springer - 4th International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2017), 13-14 October, 2017, pp 400-413.

Choudhary, C. Mullick, D., & Nagpal, S. (2017). Gravitational search algorithm in recommendation systems. 8th International conference on Swarm Intelligence (ICSI), July 28-Aug 02, 2017, Fukuoka, Japan (Springer LNCS).

Garg, A., Naryani, D., Aggarwal, G., & Aggarwal, S. (2018). DL-GSA: A deep learning metaheuristic approach to missing data imputation. *International Conference on Sensing and Imaging* (pp. 513-521). Springer, Cham.

Gupta, A., Agarwal, D., Veenu, & Bhatia, M. P. S. (2018). Performance analysis of content based image retrieval systems. *Accepted in International conference on Computing, Power and Communication Technologies 2018, GUCON-2018 to be held from 28th - 29th September, 2018.*

Gupta, A., Thakur, H. K., Shrivastava, R., Kumar, P., & Nag, S. (2017). A big data analysis framework using apache spark and deep learning. *ICDM Workshops 2017*: 9-16.

- Gupta, A., Thakur, H. K., Shrivastava, R., Kumar, P., & Nag, S. (2017). A big data analysis framework using apache spark and deep learning. *ICDM Workshops 2017*: 9-16.
- Jain, A., Gupta, D., Gupta, G., & Aggarwal, S. (2017). Applications of computing with words in medicine: Promises and potential. In *Fuzzy Systems (FUZZ-IEEE)*, 2017 IEEE International Conference, (pp. 1-6). IEEE.
- Kalra, D., Dwivedi, C., & Aggarwal, S. (2017). Classifier dependent dimensionality reduction for resource restricted environments. In *International Conference on Recent Developments in Science, Engineering and Technology* (pp. 177-186). Springer, Singapore.
- Kumar, R., Gupta, A., Gupta, A., & Bansal, A. (2017). Image contrast enhancement using hybrid elitist ant system, elitism-based immigrants genetic algorithm and simulated annealing. *CVIP*, (1), 115-129.
- Kumar, D., Chand, S., & Kumar, B. (2018). Cryptanalysis and improvement of an authentication protocol for wireless sensor networks applications like safety monitoring in coal mines. *Journal of Ambient Intelligence and Humanized Computing*, doi.org/10.1007/s12652-018-0712-8.
- Kumar, R., Gupta, A., Gupta, A., & Bansal, A. (2017). Image contrast enhancement using hybrid elitist ant system, elitism-based immigrants genetic algorithm and simulated annealing. *CVIP* (1), 115-129.
- Malhotra, A., Dhurandher, S. K., Gupta, M., & Kumar, B. (2018). Location aware data distribution in P2P mobile cloud. <http://www.scs.ryerson.ca/iwoungan/WIDECOM18/> February 16-18, 2018, SRM University, Delhi.
- Manju, Chand, S. & Kumar, B. (2017). Selective α -coverage based heuristic in wireless sensor networks. *Wireless Personal Communication*, doi-10.1007/s11277-017-4589-1 2017.
- Manju, Chand, S. & Kumar, B. (2018). Genetic algorithm based meta-heuristic for target coverage problem. *International Journal IET Wireless Sensor systems*, 7, 109-115.
- Manju, Chand, S. Kumar, B. (2018). Target coverage heuristic based on learning automata in WSNs. *International Journal IET Wireless Sensor Systems*, 8(3), 109-115.
- Manju, Singh, D., Chand, S., & Kumar, B. (2018). Genetic algorithm-based heuristic for solving target coverage problem in wireless sensor networks. *Journal of Advanced Computing and Communications Technologies*, 562, 257-264.
- Manju, Singh, D., Chand, S., & Kumar, B. (2018). Target coverage heuristics in wireless sensor networks. *Journal of Advanced Computing and Communications Technologies*, 562, 265-273.
- Mullick, D., Garg, A., Bajaj, A., & Aggarwal, S. (2017). Ant Colony Based Fuzzy C-Means Clustering for Very Large Data. In *Advances in Fuzzy Logic and Technology 2017* (pp. 578-591). Springer, Cham.
- Nigam, R., & Jain, S. (2018). A study of various protocols in opportunistic network', published in National Conference Latest Innovations in Data Science & Cyber Security, 2018, held on 23rd March 2018.
- Rani, P., & Shokeen, J. (2018). A survey on label propagation based techniques for community detection in social networks, in *Proceedings of the 12th INDIACom and 5th International Conference on Computing for Sustainable Global Development*, 2018.
- Rani, P., & Shokeen, J. (2017). Issues and challenges in link prediction for social networks, in *Proceedings of the 11th INDIACom and 4th International Conference on Computing for Sustainable Global Development*, 2017.
- Rani, P., Bhatia, M. P. S., & Tayal, D. K. (2018). A soft-computing based approach to Group relationship analysis using weighted arithmetic and geometric mean, in *International conference on innovative computing and communication (ICICC-2018)*, 2018.
- Rani, P., Bhatia, M., & Tayal, D. K. (2017). An astute SNA with OWA operator to compare the social networks. *I. J. Information Technol. Comput. Sci.*, 2017.
- Rani, P., Bhatia, M., & Tayal, D. K. (2017). Qualitative SNA methodology, in *Proceedings of the 12th INDIACom and 5th International Conference on Computing for Sustainable Global Development*, 2018.
- Sabharwal, S., Nagpal, S., & Aggarwal, G. (2017). Empirical analysis of metrics for object oriented multidimensional model of data warehouse using unsupervised machine learning techniques. *International Journal of System Assurance and Engineering Management*, 8 (2), 703-715.
- Sabharwal, S., Nagpal, S., Malhotra, N., Singh, P., & Seth, K. (2018). Analysis of feature ranking techniques for defect prediction in software system. Springer book chapter, *Quality, IT and Business Operations*, 45-56.

Sawhney, R., Manchanda, P., Singh, R., & Aggarwal, S. (2018). A computational approach to feature extraction for identification of suicidal ideation in tweets. In Proceedings of ACL 2018, Student Research Workshop (pp. 91-98).

Sharma, D., Kumar, B., & Chand, S. (2017). Identify and recommending researchers in machine learning based on author-topic model. *International conference ICPR-2017* on 22nd-23rd December 2017 (Accepted).

Sharma, D., Kumar, B., & Chand, S. (2017). Trend analysis of machine learning research using topic network analysis. *Communications in Computer and Information Science Series*, Springer - 4th International Conference on Recent Developments in Science, Engineering and Technology, 13-14 October, 2017, 34-47.

Sharma, D., Kumar, B., & Chand, S. (2017). A survey on journey of topic modelling techniques from SVD to deep learning. *International Journal of Modern Education and Computer Science*, 9(7), 50-62.

Singh, A., Bhatia, M. P. S., & Veenu, (2017). Error estimation of artificial neural network with varying inputs. *First International Conference on Computing and Communication Technologies for Smart Nation*, IC3TSN 2017, held on 12-14 October, 2017. Published and is available on IEEEExplore.

Singh, D., Singh, S., Kumar, B., & Chand, S. (2018). Simple and secure authentication scheme using symmetric key (SSAS) in wireless sensor networks. *12th International Conference as INDIACOM-2018*, Delhi: 14-16 March 2018.

Singh, D., Singh, S., Kumar, B., Chand, S. (2018). Anonymity preserving authentication and Key agreement scheme for wireless sensor networks. *International Conference Futuristic Trends in network and Communication Technologies*, Wagnaghat: 9-10 February 2018.

Singh, D., Singh, S., Kumar, B., Chand, S. (2018). Trend analysis in machine learning research using text mining. *International Conference on Advances in Computing Communication Control and Networking* on 12th - 14th October 2018.

Singh, Y. V., Kumar, B., Chand, S., & Kumar, J. (2018). A comparative analysis and proposing 'ANN fuzzy AHP model for requirements prioritization. *Internal Journal of Information Technology and Computer Science*, 10(4), 55-65.

Soni, R., Kumar, B., & Chand, S. (2017). Text detection and localization in natural scene images using MSER and fast guided filter. *IEEE Fourth International Conference on Image Information Processing*, December 21-23, 2017 JUIT, Solan. doi.org/10.1109/ICIIP.2017.8313739.

Yadav, S., & Chakraborty, P. (2017). Children aged two to four are able to scribble and draw with a smart phone. *Acta Paediatrica*, 106(6), 991-994.

Yadav, S., & Chakraborty, P. (2018). Using smartphones with suitable apps can be safe and even useful if they are not misused or overused. *Acta Paediatrica*, 107(3), 384-387.

Conferences Organised

01 (international) + one Workshop DMT3A

Placement Details

100% placement of 184 students.

Number of M.Phil. / Ph.D Degrees awarded

M. Tech.: 12 Ph.D.: 04

ELECTRONICS AND COMMUNICATION ENGINEERING

Major Activities and Achievements

The department offers B.E. program in Electronics and Communication Engineering (ECE) with an intake of 184 students per year, M. Tech. program in Signal Processing with an intake of 23 students per year and Embedded System and VLSI with an intake of 18 students. In addition, it offers Ph.D. program in allied areas of ECE. Department has various UG/PG and research laboratories which are equipped with state-of-the-art equipments and advanced softwares. Department has one centre namely Centre of Electronics Design and Technology (CEDT). Our faculty members regularly publish their research findings in top-tier peer reviewed journals. We have published in Elsevier, Springer, Taylor Francis, IEEE and other high impact journals. Our faculty members are regularly invited to share their novel research findings through delivering keynote and plenary lectures at National and International Institutions.

Publications

- Aggarwal, A., Kumar, M., Rawat, & T. K. (2018). Design of digital differentiator using L1 method and swarm intelligence based optimization algorithms. *Arbian Journal of Science and Engineering*, Doi: 10.1007/s13369-018-3188-0.
- Barsainya, R., Agarwal, M., & Rawat, T. K. (2017). Design and FPGA implementation of multiplierless comb filter. *International Journal of Circuit Theory and Applications*, 45(11), 1497-1513.
- Barsainya, R., & Rawat, T. K. (2017). Novel realization of GIC based wave digital filters using Al-Alaoui transform. *Alexandria Engineering Journal*, 56, Doi.org/10.1016/j.aej.2017.03.010.
- Barsainya, R., & Rawat, T. K. (2017). Novel design of recursive differentiator based on lattice wave digital filter. *Radio Engineering Journal*, 26(1), 387-395.
- Barsainya, R., Agarwal, A. & Rawat, T. K. (2018). Optimal design of minimum multiplier lattice wave digital lowpass filter using metaheuristic techniques. *IET Signal Processing*, doi:10.1049/iet-spr.2017.0449.
- Bansal, U., & Gupta, M. (2018). High bandwidth transimpedance amplifier using FGMOS for low voltage operation. *Integration, the VLSI Journal*, 60, 153-159.
- Gautam, K., Rawat, T. K., Parthasarathy, H., Sharma, N., Upadhyay, V. (2017). Realization of the three-qubit quantum controlled gate based on matching Hermitian generators. *Quantum Information Processing*, 16(5), 113-140.
- Iyer, S. & Singh, S. P. (2017). Spectral and power-efficiency investigation in single and multi-line-rate optical wavelength division multiplexed (WDM) networks. *Photon. Netw. Commun*, 33(1), 39-51.
- Iyer, S., & Singh, S. P. (2017). Effect of channel spacing on the design of mixed line rate (MLR) optical wavelength division multiplexed (WDM) networks. *Journal of Optical Communications*.
- Iyer, S., Singh, S. P. (2017). Effect of Traffic Uncertainties on the Design of Mixed Line Rate (MLR) Optical Networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(2), 61-66.
- Iyer, S., & Singh S. P. (2017). Investigation of cost, power and spectral efficiency in fixed- and flexi-grid networks. *Journal of Communications and Information Networks*, 2(3), 92-103.
- Iyer, S., & Singh, S. P. (2017). Comparison of cost, power consumption and spectrum utilization in protected fixed- and flexi-grid optical networks. *IETE Journal of Research*.
- Iyer, S., & Singh, S. P. (2017). A novel dedicated route protection scheme for survivability of link failure in elastic optical networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(3), 120-127.
- Iyer, S., & Singh S. P. (2017). Spectral and power-efficiency trade-off in fixed-grid optical networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(3), 97-107.
- Joseph, D., Chawla, P., Chander, H., & Rawat, T. K. (2017). A multipurpose toolkit for reaching DSP in an undergraduate course. *Computer Applications in Engineering Education*, 25(3), 530-541.
- Kumar, M., & Rawat, T. K. (2017). Design of fractional-order differentiator using Type-III and Type-IV discrete cosine transform. *Engineering Science and Technology: An International Journal*, 20(1), 51-58.
- Kumar, M., Rawat, T. K., & Aggarwal, A. (2017). Adaptive infinite impulse response system identification using modified-interior search algorithm with levy flight. *ISA Transactions*, 67, 266-279.
- Narang N., Aggarwal B., & Gupta M. (2017). DTMOS and FD-FVF Based low voltage high performance VDTA and its application in MISO Filter. *Microelectronics Journal*, 63, 66-74.
- Sharma, N., Rawat, T.K., Parthasarathy, & H., Gautam, K. (2017). Optimum quantum receivers for detecting weak signals in PAM communication systems. *Quantum Information Processing*, 16(9), 208-229.
- Singh, A. K., Kumar, P., & Senani, R. (2017). New grounded immittance simulators employing a single CFC. *IET Journal of Engineering*, 2017(8), 435-447.
- Senani, R., Bhaskar, D. R., Gupta S. S., & Singh, B. (2017). Rebuttal to Fully-uncoupled frequency of oscillation and condition of oscillation: A caution. *Archiv. Fur Electronics und Ubertragungstech*, 81, 120-131.
- Srivastava, D. K., Singh, V. K., & Senani, R. (2017). CMOS-Compatible Linear VCO using a single CFOA and grounded capacitors. *American Journal of Electrical and Electronics Engineering*, 5(6), 202-206.

Singh, A. K., Gupta, A., & Senani, R. (2017). OTRA-based multifunction inverse filter configuration. *Advances in Electrical and Electronics Engineering*, 15(6), 846-856.

Singh, A. K., Kumar, P., & Senani, R., (2018). Electronically-tunable grounded/floating inductance simulators using z-copy CFFCC. *Turkish Journal of Electrical Engineering and Computer Science*, 26, 1041-1055.

Seminar/Conference Presentations

Aggarwal B., Sanghwahia M., Gautam S., (12th -13th August, 2017). Current mode second order unity gain filters using single CDBA”, International Conference on Innovations in Control, Communication and Information Systems (ICICCI-2017), Greater Noida.

Aggarwal B., Bansal P., Sharma S.K., (14th - 16th March, 2018). “Low-Voltage Multi-Input High Transconductance Amplifier Using Differential Flipped Voltage Follower”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Aggarwal B., Sharma S.K., Bansal P., (14th - 16th March, 2018). “Improved Linear CMOS Current Differencing Transconductance Amplifier”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Bansal, U., Gupta, M., & Rai, S. K. (2017, July). Resistively compensated and SSF based VDBA offering high GBW and its application as a biquad filter. In *Computer, Communications and Electronics (Comptelix)*, 2017 International Conference on (pp. 221-226). IEEE.

Dua M., Dipti, Bharti M., Aggarwal B., (14th - 16th March, 2018). Classifiers used for Iris Recognition System: A Survey”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Iyer S. and Singh S. P. (2017). Performance Comparison of Two-Step Dynamic RSA Approaches in Elastic Optical Networks,”International Conference on Recent Trends, Emerging Issues in Science, Engineering, Environment and Technology (ICRESEET-2017).

Iyer S. and Singh S. P. (2018). Offline Scheduling Schemes to Transfer Voluminous Deadline Complying Data in Elastic Optical Networks. Twenty Fourth National Conference on Communications (NCC).

Sharma N., Gupta R., Aggarwal B., Bharti M., (14th - 16th March, 2018). Haze Removal Algorithm based on Color Attenuation Prior. IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Number of M. Tech./Ph.D. Degrees Awarded

Ph.D.: 04

M. Tech.: 12

Faculty Strength

Professor: 08, Associate Professor: 01, Assistant Professor: 07, Teaching cum Research Fellow: 19

Other Significant Information

Organised a workshop on “Signal Processing using MATLAB and MyRIO-National Instruments” from 7/10/2017 to 14/10/2017.

Awarded Certificate of Outstanding Contribution in Reviewing by AEUE-International Journal of Electronics and Communications (Germany) for 2017 to Prof. Raj Senani.

Publons Peer Review Award 2017 for being one of the top 1% reviewers in Multi-disciplinary areas of research to Prof. Raj Senani.

Prof. Raj Senani: Editor-in-Chief: IETE Journal of Education (August 2012-December 2017).

Prof. Raj Senani: Associate Editor, Circuits, Systems and Signal Processing, Birkhauser-Boston/Springer (since 2003-continuing).

INFORMATION TECHNOLOGY

Major Activities and Achievements

A Short Term Course (STC) on the theme “Information Security and Digital Forensics (ISDF-2017)” was organised from 05th to 09th June, 2017 by the department at NSIT. The objective of the course was to enlighten

the audience about importance of information security and computer forensics by bringing together eminent researchers, educators and practitioners in the field under one roof. The STC was beneficial mainly to the research scholars and faculty members of the engineering colleges and universities. The total number of participants for this STC was 110 that included 43 external faculties, 24 external Research Scholars, 12 Internal Research Scholars and 31 Internal Faculties. Experts from IITs, NITs, IIIT, industries and other premier institutions delivered the lectures. The feedback of the STC was excellent and inspiring.

Honours/Distinctions

Best Paper Award: Maninder Singh Raniyal, Isaac Woungang, Sanjay Kumar Dhurandher, "An In ter-device Authentication Scheme for Smart Homes Using One-Time-Password Over Infrared Channel", ISDDC 2017: 95-117.

Publications

Agarwal, G., Maheshkar, V., Maheskar, S., Gupta, S. (2018). Recognition of emotions of speech and mood of music: A review, *International Conference on Wireless, Intelligent and Distributed Environment for COMmunication* (WIDECOM 2018) February 16-18, 2018, SRM University.

Agarwal, G., Maheshkar, V., Maheshkar, S., & Gupta, S. (2018). Vocal mood recognition: text dependent sequential and parallel approach, SIGMA-2018 Springer Book Series (Advances in Intelligent Systems and Computing).

Agarwal, J. Jain, R. Dhurandher, S. K., Woungang, I., Gupta, N. (2018). Fair sub-carrier allocation in OFDMA and cognitive radio based IEEE 802.22 WRAN, *INFOCOM Workshops*, 571-576.

Borah, S. J., & Dhurandher, S. K., Woungang, I., Kumar, V., & Barolli, L. (2018). A multi-objectives based technique for optimized routing in opportunistic networks. *J. Ambient Intelligence and Humanized Computing*, 9(3), 655-666.

Borah, S. J., Dhurandher, S. K., Woungang, I., Kumar, V. (2017). A game theoretic context-based routing protocol for opportunistic networks in an IoT scenario. *Computer Networks*, 129, 572-584.

Borah, S. J. Dhurandher, S. K., Tibarewala, S., Woungang, I., Obaidat, M. S. (2017). Energy-efficient prophet-PRoWait-EDR Protocols for opportunistic networks. *GLOBECOM* 2017, 1-6.

Choudhary, S. P., Kumar, A., Maheshkar, S., & Maheshkar, V. (2018). An integrated method of copy-move and splicing for image forgery detection. *Multimedia Tools and Applications*, Mar 2018.

Choudhary, S. P., Maheshkar, S., & Maheshkar, V. (2018). Detection of copy-move image forgery with efficient block representation and discrete cosine transform, SIGMA-2018. *Journal of Intelligent and Fuzzy Systems*, [Special Issue, IOS Press].

Chhabra, A., Vashishth, V., & Sharma, D. K. A fuzzy logic and game theory based adaptive approach for securing opportunistic networks against black hole attacks", *International Journal of Communication Systems*, doi:10.1002/dac.3487.

Dhurandher, S. K., Borah, S. J., Woungang, I., Tibarewala, S., & Barolli, S. (2018). DEEP: Distance and encounter based energy-efficient protocol for opportunistic networks. *J. High Speed Networks*, 24(2), 119-131.

Dhurandher, S. K., Borah, S. J., Woungang, I., Bansal, A., Gupta, A. (2018). A location prediction-based routing scheme for opportunistic networks in an IoT scenario. *J. Parallel Distrib. Comput.* 118(Part), 369-378.

Dhurandher, S. K., Sharma, D. K., Woungang, I., Saini, A. (2017). An energy-efficient history-based routing scheme for opportunistic networks. *Int. J. Communication Systems*, 30(7).

Fatema, M., Maheshkar, V., & Maheshkar, S. (2017). Tamper detection using fragile image watermarking based on chaotic system, *2nd International Conference on Telecommunication and Networks*, August 10-11, 2017, Amity, NOIDA.

Garg, N., Dhurandher, S. K., Nicopolitidis, P., Lather, J. S. (2018). Efficient mobility prediction scheme for pervasive networks. *Int. J. Communication Systems*, 31(6) (2018).

Gupta, N., Dhurandher, S. K., Woungang, I., Joel, J. P. C. & Rodrigues, (2017). Game theoretic analysis of post handoff target channel sharing in cognitive radio networks. *GLOBECOM* 2017: 1-6.

- Hansda, B., Maheshkar, V., & Maheshkar, S. (2017). A robust watermarking scheme for 3d polygon mesh models using mean curvature, *5th International Conference on Advanced Computing, Networking, and Informatic*, ICACNI, 01-03 June, 2017.
- Kumar, D., Deshwal, S., Sumit, Yadav, R. (2017). A XOR based – key exchange protocol. *International Journal of Electronics, Electrical and Computational System*, 6(5), 24-28.
- Kumar, D., Deshwal, S., Sumit, Yadav, R. (2017). Attribute based cloud authentication. *International Journal of Engineering Technology Science and Research*, 4(6), 648-652.
- Kumar, D., Chand, S., & Kumar, B. Cryptanalysis and improvement of an authentication protocol for wireless sensor networks applications like safety monitoring in coal mines. *Journal of Ambient Intelligence and Humanized Computing*.
- Kumar, D., Chand, S., & Kumar, B. (2018). A PKC-based user authentication scheme without smart card. *Journal of Intelligent and Fuzzy Systems*.
- Kumar, D., Chand, S., & Kumar, B. (2018). Cryptanalysis and Improvement of a Two-Factor user authentication scheme. *Infocommunications Journal*.
- Kumar, D. (2017). Cryptanalysis of a secure biometric-based three-factor remote authentication scheme for mobile client-server networks. *Proceedings of the 2nd International Conference on Inventive Computation Technologies*, 612-614.
- Kumar, D., Grover, H. S., & Adarsh (2018). Cryptanalysis of a secure and lightweight authentication protocol for wearable devices environment. *Proceedings of the 2nd International Conference on Inventive Systems and Control*, 1065-1070.
- Kumar, D. (2018). Cryptanalysis and Improvement of a User Authentication Scheme for SIP”, *International Conference on Wireless, Intelligent and Distributed Environment for Communication*, Springer (WIDECOM 2018).
- Kumar, A., Choudhary, S. P., Maheshkar, S., & Maheshkar, V. (2017). Markov feature extraction using enhanced threshold method for image splicing forgery detection, *International Conference on Smart Innovations in Communications and Computational Sciences (ICSICCS-2017)*, North West Group of Institutions, Moga, Punjab, India during 23-24 June 2017.
- Kumar, B., & Dhurandher, S. K., Woungang, I. (2018). A survey of overlay and underlay paradigms in cognitive radio networks. *Int. J. Communication Systems*, 31(2).
- Kumar, A. Dhurandher, S. K., Woungang, I., Obaidat, M. S., Gupta, S., Joel, J. P. C. Rodrigues. (2017). An altruism-based trust-dependent message forwarding protocol for opportunistic networks. *Int. J. Communication Systems* 30(10).
- Kumar, S., Dave, M., Dhurandher, S. K., Woungang, I., Barolli, L. (2017). An ant-based QoS-aware routing protocol for heterogeneous wireless sensor networks. *Soft Comput.* 21(21): 6225-6236.
- Kumar, A., Dhurandher, S. K., Woungang, I., Kumar, V., & Takizawa, M. (2017). Interference aware metric-based routing protocol in cognitive radio networks. *BWCCA 2017*, 502-515.
- Kukreja, D., Dhurandher, S. K., & Reddy, B. V. R. (2017). Power aware malicious nodes detection for securing MANETs against packet forwarding misbehavior attack. *Journal of Ambient Intelligence and Humanized Computing*, 1-16, Doi: 10.1007/s12652-017-0496-2.
- Maheshkar, V., & Maheshkar, S. (2017). Face recognition using DCT based energy discriminant mask. *International Journal of Computer Applications*, 170(5), 46-51.
- Puchhal, K., Dhurandher, S. K., Borah, S. J., Woungang, I., Jain, S., Gupta, S. (2017). A* search based next hop selection for routing in opportunistic networks. *IJSSC* 7(3), 177-186.
- Raniyal, M S., Woungang, I., Dhurandher, S. K. (2017). An inter-device authentication scheme for smart homes using one-time-password over infrared channel. *ISDDC 2017*, 95-117.
- Rashmi S, Vikas Maheshkar and Sushila Maheshkar, (2017). A blind multiple composite watermarking technique in frequency domain. *2nd International Conference on Telecommunication and Networks*, August 10-11, 2017, AMITY, NOIDA.
- Sharma, D. K., Dhurandher, S. K., Agarwal, D., & Arora, K. (2018). kROp: k-Means clustering based routing protocol for opportunistic networks. *Journal of Ambient Intelligence and Humanized Computing*.
- Sharma, D. K., Dhurandher, S. K., Obaidat, M. S., Bansal, A., & Gupta, A. (2017). Genetic algorithm and probability based routing protocol for opportunistic networks, in *proceedings of IEEE International Conference on Computer, Information and Telecommunication Systems (CITS)*, 21-23 July, 2017, Dalian, China.

Sharma, D. K., Dhurandher, S. K., Woungang, I., Bansal, A. & Gupta, A. (2017). GD-CAR: A genetic algorithm based dynamic context aware routing protocol for Opportunistic networks, in proceedings of 20th Intl. Conference on Network-Based Information Systems (NBIS-2017), Aug. 24-26, 2017, Toronto.

Sharma, D. K., Yadav, A., Sharma, A., & Kumar, J. (2017). KNNR: K-Nearest neighbour classification based routing protocol for opportunistic networks, in proceedings of IEEE Tenth International Conference on Contemporary Computing (IC3 2017), 10-12 August 2017, Noida, India.

Sharma, D. K., Singh, A., Khanna, A., & Jain, A. (2017). Evaluation of parameters and techniques for genetic algorithm based channel allocation in cognitive radio networks, in proceedings of IEEE Tenth International Conference on Contemporary Computing (IC3 2017), 10-12 August 2017, Noida, India.

Sharma, D. K., Bhatt, A., & Kumar, A. (2017). An analytical study to find the major factors behind the great smog of Delhi, 2016: Using fundamental data sciences, in Proceedings of 4th International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2017), October 13-14, 2017, GD Goenka University, Gurgaon, Haryana, India.

Singh, R. K., Maheshkar, S., & Maheshkar, V. Static signature authentication based on J48 and random forest". *IJERT*, 6 (05).

No. of Department Teachers Serving as Editors/Members of Editorial Board

01 (ONE)

Seminar/Short term course organised

Total No.: 01

Details: short term course (STC) on the theme "Information Security and Digital Forensics (ISDF-2017)"

Seminar/Conference Presentation

Babulal Hansda, Vikas Maheshkar and Sushila Maheshkar, A Robust Watermarking Scheme for 3D Polygon Mesh Models Using Mean Curvature, 5th International Conference on Advanced Computing, Networking, and Informatic, ICACNI, 01-03 June, 2017.

Devender Kumar, Cryptanalysis and Improvement of a User Authentication Scheme for SIP, International Conference on Wireless, Intelligent and Distributed Environment for Communication, Springer (WIDECOM 2018).

Placement Details

No. of students placed: 80%

No. of companies visited - 30 (approx.)

Number of M.Phil./Ph.D Degrees Awarded

Ph.D: 02 (Submitted)

Faculty Strength

08 (permanent), 02 (contractual)

INSTRUMENTATION AND CONTROL ENGINEERING

Major Activities and Achievements

The Department is engaged in teaching and research in the field of Instrumentation & Control Engineering. Each year, we admit 180 students to graduate course (B.E) through an All India Entrance Test and around 40 students to two Post-graduate courses (M.tech in Process Control & Industrial Electronics). Our students come from varied academic backgrounds straddling various disciplines. Our Department has some of the best teachers and the faculty members are engaged in frontline areas of research across Control Engineering, Machine Learning, Instrumentation and Bio-medical. We also undertake research in socially relevant areas connected to national development and contribute to the problem solving of issues arising from Instrumentation & Control Engineering. Our faculty members regularly publish their research findings in top-tier peer reviewed journals. The faculty members have also secured extramural research projects which are used in developing state-of-the art laboratory facilities and training young research scholars. Our

faculty members are recognized world leaders in their fields who widely collaborate with International experts. Our teachers are regularly invited to share their research findings through delivering keynote and plenary lectures at National and International Institutions.

Publications

Ahmaduddin, S. S., & Malik, H. (2018). Gene expression programming (GEP) based intelligent model for high performance concrete comprehensive strength analysis. *Journal of Intelligent & Fuzzy Systems*, [accepted].

Arif, M. S. B., Shahid, A., Wahab, M., Rafiuddin, N., & Malik, H. (2018). Decrypting wrist movement from MEG signal using svm classifier. *Journal of Intelligent & Fuzzy Systems*, [accepted].

Dass, A., Srivastava, S., & Gupta, M. (2018). Identification of dynamic systems using intelligent water drop algorithm. Accepted in International conference *SIGMA 2018*, NSIT, Delhi.

Goyal, P., Malik, H., & Sharma, R. (2017). Application of evolutionary-reinforcement learning (ERL) approach in control domain- A review. Accepted *ICSICCS-2017*, Moga, Punjab, India.

Gupta, S., Srivastava, S., & Varshney, P. (2017). Fractional order chaotic systems: A survey. In *Computing, Communication and Automation (ICCCA)*, 2017 International Conference, (pp. 1109-1113). IEEE.

Gupta, S., Upadhyaya, V., Singh, A., Varshney, P., & Srivastava, S. (2018). Modeling of fractional order chaotic systems using artificial bee colony optimization and ant colony optimization. Accepted in IOS Press, *SIGMA 2018*, NSIT, Delhi.

Jha, S. K. (2018). Challenges and impediments in engineering education: remedies. *Journal of Engineering Education Transformation*, [Special Issue].

Kler, D., Rana, K. P. S., & Kumar, V. (2018). A nonlinear PID controller based novel maximum power point tracker for PV systems. *Journal of the Franklin Institute*, [accepted].

Kler, D., Sharma, P., Banerjee, A., Rana, K. P. S., & Kumar, V. (2017). PV cell and module efficient parameters estimation using evaporation rate based water cycle algorithm. *Swarm and Evolutionary Computation*, 35, 93-110.

Kukker, A. & Sharma, R. (2018). Neural reinforcement learning classifier for elbow, finger and hand movements. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Self-Recurrent wavelet neural network based identification and adaptive predictive control of non-linear dynamical systems. *International Journal of Adaptive control and Signal Processing*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Comparative study of neural networks for dynamic nonlinear systems identification. *Soft Computing*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Diagonal recurrent neural network based identification of nonlinear dynamical systems with Lyapunov stability based adaptive learning rates. *Neurocomputing*, [accepted].

Kumar, R., Srivastava, S., & Gupta, J. R. P. (2017). Diagonal recurrent neural network based adaptive control of nonlinear dynamical systems using Lyapunov stability criterion. *ISA Transactions*, 67, 407-427.

Kumar, R., Srivastava, S., & Gupta, J. R. P. (2018). Comparative study of neural networks for control of nonlinear dynamical systems with lyapunov stability-based adaptive learning rates. *Arabian Journal for Science and Engineering*, 1-23, [accepted].

Kumar, A., & Sharma, R. (2017). A nature inspired PID like fuzzy knowledge based fractional order controller. *RAACE*, Jaipur, 23-25th November, 2017.

Kumar, A., & Sharma, R. (2017). Neural/Fuzzy self learning lyapunov control for non linear systems. *International Journal of Information Technology*, Singapore: Springer, December 2017.

Kumar, A., & Sharma, R. (2017). A genetic algorithm based fractional fuzzy PID controller for integer and fractional order systems. *International Journal of Intelligent Systems and Applications*, [accepted].

Kumar, A., & Sharma, R. (2017). Lyapunov fuzzy markov game controller for two link robotic manipulator. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Kumar, A., & Sharma, R. (2017). Linguistic lyapunov reinforcement learning control for robotic manipulators. *Neurocomputing*, [accepted].

- Kumar, J., Kumar, V., & Rana, K. P. S. (2018). Design of robust fractional order fuzzy sliding mode PID controller for two link robotic manipulator system. *Journal of Intelligent and Fuzzy Systems*, [accepted].
- Kumar, J., Kumar, V., & Rana, K. P. S. (2018). A fractional order fuzzy PD+I controller for three link electrically driven rigid robotic manipulator system. *Journal of Intelligent and Fuzzy Systems*, [accepted].
- Kumar, V., Rana, K. P. S., Narang, S. (2017). Comparative study of type-2 and type-1 fuzzy PI controllers on sensor noise suppression in a control loop. *Journal of Control Engineering and Applied Informatics*, 19(2), 20-30.
- Kumar, V., Rana, K. P. S., Kumar, J., Mishra, P., & Nair, S. S. (2017). A robust fractional order fuzzy P + Fuzzy I + Fuzzy D controller for nonlinear and uncertain system. *International Journal of Automation and Computing*, 14(4), 474-488.
- Kumar, S., Rana, K. P. S., & Kumar, V. (2017). Analysis and design of a converter based on non-cascading structure. *Turkish Journal of Electrical Engineering & Computer Sciences*, [accepted].
- Kumar, B., Jha, S. K., & Kumar, T. (2018). Review of maximum power point tracking techniques for photovoltaic arrays working under uniform/non-uniform insolation level. *International Journal of Renewable Energy Technology*, [accepted].
- Kumar, B., & Goyal, T. (2018). Investigations on flux estimation methods for stator current based MRAS speed estimator for induction motor drive. *IEEE International Conference Engineer Infinite*, [accepted].
- Kumar, T., Kumar, B., & Jha, S. K. (2017). MATLAB/Simulink model to study solar cell characteristics under partial shading. In *Proceedings IEEE International Conference on Electronics, Communication and Aerospace Technology*, 642-646.
- Mahto, T., Malik, H., & Arif, M. S. B. (2018). Load frequency control of a solar-diesel based isolated hybrid power system by fractional order control using particle swarm optimization. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Malik, H., & Sharma, R. (2017). Transmission line fault classification using modified fuzzy Q learning. *IET Generation, Transmission & Distribution*, [accepted].
- Malik, H., Shah, A. K., & Yadav, A. (2018). EMD and ANN based intelligent model for bearing fault diagnosis. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Malik, H., & Mishra, S. (2018). Artificial neural network and empirical mode decomposition based imbalance fault diagnosis of wind turbine using turbsim. Fast and simulink. *IET Renewable Power Generation*, 11(6), 889-902.
- Malik, H., & Mishra, S. (2017). Application of GEP to investigate the imbalance faults in direct-drive wind turbine using generator current signals. *IET Renewable Power Generation*, 11(6), 889-902.
- Malik, H., & Sharma, R. (2017). Transmission line fault classification using modified fuzzy Q learning. *IET Generation, Transmission & Distribution*, 11(16), 4041-4050.
- Malik, H., & Mishra, S. (2017). Selection of most relevant input parameters using principle component analysis for extreme learning machine based power transformer fault diagnosis model. *International Journal of Electric Power Components and Systems*, 45(12), 1-13.
- Malik, H., & Mishra, S. (2017). FAST and smulink based simulation investigation of wind turbine faults. *International Journal of Renewable Energy Technology*, 8(3-4), 286-304.
- Malik, H., & Mishra, S. (2017). Wavelet and hilbert huang transform based wind turbine imbalance fault classification model using K-nearest neighbor algorithm. *International Journal of Renewable Energy Technology*, [accepted].
- Mishra, P., Kumar, V., & Rana, K. P. S. (2018). An efficient method for parameter estimation of a nonlinear system using backtracking search algorithm. *Engineering Science and Technology*, Doi.org/10.1016/j.jestch.2018.03.009.
- Nair, S. S., Rana, K. P. S., Kumar, V., & Chawla, A. (2017). Efficient Modeling of linear discrete filters using lion optimizer. *Circuits, Systems & Signal Processing*, 36(4), 1535-1568.
- Nandan Km. Navin, Sharma, R., & Malik, H. (2018). Solving nonconvex economic thermal power dispatch problem with multiple fuel system and valve point loading effect using fuzzy reinforcement learning. *Journal of Intelligent and Fuzzy Systems*, [accepted].

- Navin, N. K., & Sharma, R. (2017). A fuzzy reinforcement learning approach to thermal unit commitment problem. *Neural Computing and Applications*, [accepted].
- Nithilasaravanan, K., Thakwani, N., Mishra, P., Kumar, V., & Rana, K. P. S. (2018). Efficient control of integrated power system using self tuned fractional order fuzzy PID controller. *Neural Computing and Applications*, [accepted].
- Pandey, S., & Jha, S. K. (2018). Some studies on heuristic implications of robust control theory. *Journal of Advanced Research in Electrical and Electronic Engineering*, 5(1), 22-26.
- Parashar, A., Malik, H., & Sharma, R. (2018). Feature extraction using EMD and classifier through artificial neural networks for fault diagnosis of wind turbine gearbox. Accepted at *SIGMA 2018*, NSIT, New Delhi, India.
- Parul, Malik, H., & Sharma, R. (2017). Wind speed forecasting model for northern-western region of India using decision tree and multi layer perceptron neural network approach. *International Journal of Renewable Energy Technology*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2018). Enhancing linearity of voltage controlled oscillator thermistor signal conditioning circuit using linear search. *Journal of The Institution of Engineers (India): Series B*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2018). Development of an intelligent temperature transducer. *IEEE Sensors Journal*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2017). Comments on design and modeling of an intelligent temperature to frequency converter. *Measurement*, 102, 138-141.
- Rana, K. P. S., Kumar, V., Dagar, A. K., Chandel, A., & Kataria, A. (2018). FPGA implementation of steinhart-hart equation for more accurate thermistor linearization. *IEEE Sensor Journal*, 18(6), 2260-2267.
- Rana, K. P. S., Kumar, V., & Mendiratta, J. (2017). An educational laboratory virtual instrumentation suite assisted experiment for studying fundamentals of series resistance-inductance-capacitance circuit. *European Journal of Engineering Education*, [accepted].
- Rathore, N. S., Singh, V. P., & Kumar, B. (2018). Controller design for Doha water treatment plant using grey wolf optimization. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Ray, N., Madan, M., Kumar, B. & Jha, S. K. (2017). Fuzzy logic based MRAS speed estimator with rotor resistance adaptation mechanism for induction motor drive. *International Journal of Computational Intelligence Research*, 13(8), 1953-1962.
- Ray, N., Madan, M., Kumar, B., & Jha, S. K. (2017). Fuzzy logic based MRAS speed estimator with rotor resistance adaptation mechanism for induction motor drive. *International Journal of Computational Intelligence Research*, 13(8), 1953-1962.
- Rohilla, P., Kumar, V., & Hakkak, F. A. (2017). Fuzzy I+PD controller for stiction compensation in pneumatic control valve. *International Journal of Applied Engineering Research*, 12(13), 3566-3575.
- Rohilla, P., Kumar, V., & Hakkak, F. A. (2018). Fuzzy gain scheduling of an I-P-D controller for oscillation compensation in a sticky pneumatic control valve. *International Journal of Mechanical Engineering and Robotics Research*, 7(3), 240-249.
- Sharma, R., & Kukker, A. (2017). Neural reinforcement learning based identifier for typing keys using forearm EMG signals. Accepted 9th *International Conference on Signal Processing Systems (ICSPS 2017)*, AUT University, Auckland, New Zealand during November 27-30, 2017.
- Singh, K. V., Malik, H. & Sharma, R. (2017). Condition monitoring of wind turbine gearbox using electrical signatures. Accepted at *IEEE ICMDCS 2017*.
- Singh, K. K., Singh, S. P., & Kumar, B. (2018). Performance evaluation of brushless DC motor drive supplied from hybrid sources. *International Conference Signals, Machines and Automation*, [accepted].
- Singh, S. P., Gautam, A. K., Tripathi, S. P., & Kumar, B. (2017). Performance comparison of MPPT techniques using cuk converter for photovoltaic energy conversion system. *3rd International Conference on Computational Intelligence & Communication Technology (CICT)*, 1-6.
- Srivastava, S., Aiswarya PG, Gupta, M., Prasannakumar, N., Rudola, A., Mallick, A., & Srivastava, S. (2018). A comparative study of PID and neuro-fuzzy based control schemes for a 6-DoF Robotic Arm. *Journal of Intelligent and Fuzzy Systems*, [accepted].
- Sukhija, A., & Jha, S. K. (2018). Mixed methods for reduced order modelling of linear interval system. *Journal of Advanced Research in Electrical and Electronic Engineering*, 5(1), 1-7.
- Tiwari, R., Saxena, M. K., Mehendiratta, P., Vatsa, K., Srivastava, S., & Gera, R. (2018). Market segmentation using supervised and unsupervised learning techniques for e-commerce applications. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Tiwari, A., Kumar, B., & Chauhan, Y. K. (2017). ANN based speed estimation of induction motor drive at low speed. In Proceedings IEEE International Conference on *Electronics, Communication and Aerospace Technology*, 176-179.

Upadhyaya, V., Singh, A., Pandey, P., Kumar, A., & Sharma, R. (2017). Genetic algorithm based optimization of ant colony controller for fractional order systems. *International conference on computational intelligence: Theories, applications, and future directions (ICCI-2017)*, Indian Institute of Technology Kanpur, India, December 6th - 8th, 2017.

Verma, P., Gupta, P., & Kumar, B. (2017). Graphical user interface (GUI) to study DC motor dynamics. In Proceedings IEEE International Conference on *Electronics, Communication and Aerospace Technology*, 649-654.

Yadav, A. K., Sharma, V., Malik, H., & Chandel, S. S. (2017). Daily array yield prediction of grid-interactive photovoltaic plant using relief attribute evaluator based radial basis function neural network. *Renewable and Sustainable Energy Reviews*, 81(Part 2), 2115-2127.

Conferences Organised

One International conference organised during the year named “Signal Machine and Automation”, held during February 23-25, 2018 at NSIT Campus. Conference funded by Maruti Suzuki, GAIL India, DRDO, JIO, Bank of Baroda etc.

Seminar/Conferences Presentations

Smriti Srivastava (2018). Identification of dynamic Systems using Intelligent Water Drop algorithm. Published in International Conference Signal Machine and Automation (SIGMA-2018), February 23-25, 2018, Netaji subhas institute of technology, New Delhi.

Kumar Sunil, Rajesh Kataria, K. P. S. Rana and Vineet Kumar (2017). A bi-quadratic converter based on non-cascading structure. Accepted for publication in the proceedings of IEEE Conference on Nanotechnology for Instrumentation and Measurement Workshop (III International Conference), November 16-17, 2017, Gautam Buddha University, Greater Noida, India

Sachin Sharma, Vineet Kumar, K. P. S. Rana (2017). Valve Stiction Modeling Using Neural Network. Accepted for publication in the proceedings of International Conference on Emerging Trends in Computing and Communication Technologies (GEHU-2017), 17-18th November, 2017, Graphic Era Hill University, Dehradun, Uttarakhand, India.

Puneet Mishra, Vineet Kumar, K. P. S. Rana (2017). A Comparative Study for Flow Control using SCIC and NPIC Controllers. Accepted for the proceedings of 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT-17), July 3-5, 2017, IIT, Delhi, India.

Tarun Kumar, Bhavnes Kumar and S. K. Jha (2017). Matlab/Simulink Model to Study Solar Cell Characteristics Under Partial Shading. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

S. K. Jha and Aditya Kumar Sharma (2017). Heuristic Investigation on Two Step Model Order Reduction Technique. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

S. K. Jha, A. K. Yadav and P. Gaur (2017). Power Management for Electric Vehicle with PID and Fuzzy Logic Controllers. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

No. of M.Phil/Ph.D. Degrees Awarded

Ph.D.: 3

Faculty Strength

Permanent: 19

MANAGEMENT, DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

Major Activities and Achievements

Management Division faculty members are involved in teaching management subjects of the institute.

Publications

Deshwal, P., Trivedi, A., & Himanshi, H. L. N. (2017). Online learning experience scale validation and its impact on learners' satisfaction. *Procedia Computer Science*, 112, 2455-2462.

Pandey, S., & Deshwal, P. (2018). The influence of medical course experience on satisfaction, loyalty, and word-of-mouth in Indian medical colleges. *Procedia Computer Science*, 132, 84-91.

Saini, A., Chandok, S., & Deshwal, P. (2017). Advancement of traffic management system using *RFID*. In *Intelligent Computing and Control Systems (ICICCS)*, International Conference (pp. 1254-1260). IEEE.

Trivedi, A., Deshwal, P., Soni, U., & Mani, N. (2018). Demographic variables and online customer experience of educational websites users. *Procedia Computer Science*, 132, 965-970.

Seminar/Conference Presentations

Deshwal, P., Trivedi, A., & Himanshi, H. L. N. (2017). Online Learning Experience Scale Validation and Its Impact on Learners' Satisfaction. *Procedia Computer Science*, 112, 2455-2462.

Trivedi, A., Deshwal, P., Soni, U., & Mani, N. (2018). Demographic variables and Online Customer Experience of Educational Websites users. *Procedia Computer Science*, 132, 965-970.

Pandey, S., & Deshwal, P. (2018). The Influence of Medical Course Experience on Satisfaction, Loyalty, and Word-Of-Mouth in Indian Medical Colleges. *Procedia Computer Science*, 132, 84-91.

Saini, A., Chandok, S., & Deshwal, P. (2017, June). Advancement of traffic management system using *RFID*. In *Intelligent Computing and Control Systems (ICICCS)*, 2017 International Conference on (pp. 1254-1260). IEEE.

Faculty Strength

Three (3)

MANUFACTURING PROCESSES & AUTOMATION ENGINEERING

Major Activities & Achievements

The department offers two B.E. programs - one in Manufacturing Processes & Automation Engineering (MPAE) and the other is Mechanical Engineering (M.E.) with an intake of 120 and 60 students, respectively. It also offers M.Tech. program in Production Engineering (PE) and Engineering Management (EM). In addition, it offers Ph.D. program in allied areas of MPAE/ME. Beside the conventional labs like Material testing, Welding, Metrology and well equipped Workshop, the department has laboratories related to Advance Welding, Mechanical Sciences, Computer Integrated Manufacturing, Robotics & Artificial Intelligence etc. with facilities like EDM, CNC, FMS, UTM, FDM, Robotics, ECM, SAW, Central Lathe, Shapers, UMM, VMM, Muffle and Controlled Atmosphere furnaces.

Honours/Distinctions

Best Professor Award in operations & Manufacturing by Dewang Mehta National Education Awards to Dr. Vijyant Agarwal.

Publications

Bajpai, P. K., Ram, K., Gahlot, L. K., & Jha, V. K. (2018). Fabrication of Glass/Jute/Epoxy composite based industrial safety helmet. *Materials Today Proceeding*, 5(2), 8699-8706.

Bansal, P., Jain, A., & Khanna, P. (2018). Development of a reciprocatory tube-funnel feeder and graphical analysis of its performance. *Journal of Research in Mechanical Engineering and Applied Mechanics*, 3(1), 1-7.

- Chaudhary, V., Bajpai, P. K., & Maheshwari, S. (2018). An investigation on wear and dynamic mechanical behavior of Jute/Hemp/Flax reinforced composites and its hybrids for tribological applications. *Fibers and Polymers*, 19(2), 403-415.
- Chaudhary, V., Bajpai, P. K., & Maheshwari, S. (2018). Effect of moisture absorption on the mechanical performance of natural fiber reinforced woven hybrid bio-composites. *Journal of Natural Fibers*, Doi.org/10.1080/15440478.2018.1469451.
- Choudhary, S., Nayak, S. K., Malik, A., & Singh, D. K. (2018). Important issues in supply chain management and development. *International Journal of Recent Research Aspects*, 5(1), 45-54.
- Choudhary, S., Jacob, A., Trivedi, A., & Singh, D. K. (2017). Impact of demonetization on Indian economy. *Indian Journal of Economics and Development*, 5(4), 1-7.
- Chaudhary, V., Bajpai, P. K., Maheshwari, S. (2017). Studies on mechanical and morphological characterization of developed jute/hemp/flax reinforced hybrid composites for structural applications. *Journal of Natural Fibers*, 1-18.
- Dwivedi, P., Singh, D. K., & Chamoli, P. (2018). Application of AHP and PAM in green manufacturing. *Journal of Material Science and Mechanical Engineering*, 5(1), 23-26.
- Gangil, N., Siddiquee, A. N., & Maheshwari, S. (2017). Aluminium based in-situ composite fabrication through friction stir processing: A review. *Journal of Alloys and Compounds*, 715, 91-104.
- Goyal, V. Kandhari, R., Garg, U. & Khanna, P. (2017). Graphical analysis of performance of magnetic disc feeder. *International Journal of Advances in Electronics and Computer Science*, 4(5), 31-33.
- Joshi, H., & Singh, D. K. (2018). Optimal transportation cost using genetic algorithm. *Journal of Aeronautical and Automotive Engineering*, 5(1), 17-19.
- Kapoor, M., Allabadi, T., Singhal, U., & Khanna, P. (2017). Graphical analysis of bottle caps feeding in a vibratory bowl feeder. *International Journal of Innovative Science Engineering and Technology*, 4(12), 118-122.
- Kataria, A., & Singh, D. K. (2018). Analysis of supply chain challenges using interpretive structural model. *Advances in Economics and Business Management*, 5(2), 105-109.
- Khanna, P., & Maheshwari, S. (2017). Microhardness analysis in MIG welding of stainless steel 409M. *Journal of Production Engineering*, 20(1), 93-96.
- Khanna, P., & Maheshwari, S. (2018). Development of mathematical models for prediction and control of weld bead dimensions in mig welding of stainless steel 409M. *Materials Today: Proceedings*, 5(2), 4478-4488.
- Khanna, P., & Maheshwari, S. (2018). Residual stress analysis in MIG welding of stainless steel 409M. *Materials Today: Proceedings*, 5(2), 4939-4947.
- Kumar, D., Agarwal, D., Maheshwari, G. & Khanna, P. (2017). Development of mechnized feeding system with computational analysis. *International Journal of Research in Engineering and Technology*, 06(10), 126-132.
- Kumar, S., Karthik, D., Bhatia, S. & Khanna, P. (2018). Smart way of garbage monitoring system. *Journal of Electronics and Tele-communications Engineering*, 3(1), 1-9.
- Nagpal, N., Bhushan, B., & Agarwal, V. (2017). Estimation of stochastic environment force for master-slave robotic system. *Sadhana*. Doi: 10.1007/s12046-017-0643-7, 1-11.
- Nagpal, N., Agarwal, V., & Bhushan, B. (2018). Real time state observer based controller for stochastic robotic manipulator. *IEEE Transactions on Industry Applications*, 54(2), 1806-1822.
- Narang, D., Raj, A., & Khanna, P. (2017). Mathematical modelling of a bowl feeder for spherical washers. *Journal of Production Engineering*, 20(2), 93-96.
- Nayak, S. K., & Singh, D. K. (2018). An Approach to Implement Quality Tools in Inventory Management, IOS-Netherlands and Springer, Germany sponsored first International Conference on *Signals, Machines and Automation* (SIGMA 2018) at Netaji Subhas Institute of Technology, New Delhi, 23-25 February, 29.
- Prasad, S., Andirya, N., & Ojha, A. (2018). A review on nuclear radiation. Accidents Proceedings of WRFER International Conference, 15th April, 2018, NA 38-40.
- Payal, H., Maheshwari, S., & Bharti, P. S. (2017). Process modeling of electric discharge machining of inconel 825 using artificial neural network. *World Academy of Science, Engineering and Technology*,

International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, 11(3), 551-555.

Raj, A., Narang, D., & Khanna, P. (2017). Graphical analysis of a vibratory bowl feeder for spherical washers. *Journal of Material Science and Mechanical Engineering*, 4(2), 110-113.

Rathee, S., Maheshwari, S., Siddiquee, A. N., & Srivastava, M. (2017). Investigating effects of groove dimensions on microstructure and mechanical properties of AA6063/SiC surface composites produced by friction stir processing. *Journal of Transactions of the Indian Institute of Metals*, 70(3), 809-816.

Rathee, S., Maheshwari, S., Siddiquee, A. N., & Srivastava, M. (2017). Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. *Journal of Materials and Manufacturing Processes*, 1-8.

Rathee, S., Maheshwari, S., & Siddiquee, A. N. (2017). Issues and strategies in composite fabrication via friction stir processing: A review. *Journal of Materials and Manufacturing Processes*, 1-23.

Rathee, S., Maheshwari, S., Siddiquee, A. N., Srivastava, M. (2017). Analysis of microstructural changes in enhancement of surface properties in sheet forming of Al alloys via friction stir processing. *Journal of Materials Today: Proceedings*, 4(2), 452-458.

Rawat, S., Singh, T. K., & Singh, D. K. (2018). Forecasting methods for determining food demand. *Advances in Economics and Business Management*, 5(2), 114-117.

Sharma, S. K., Maheshwari, S. (2017). Arc characterization study for submerged arc welding of HSLA (API X80) steel. *Journal of Mechanical Science and Technology, Korean Society of Mechanical Engineers*, 31(3), 1383-1390.

Singh, N., & Singh, D. K. (2018). A mathematical model-based supplier selection. *Advances in Economics and Business Management*, 5(2), 118-121.

Singh, D. K., & Trivedi, A. (2018). Quality management in educational institutions. *International Journal of Recent Research Aspects*, 5(1), 40-44.

Singla, R., Parthasarathy, H., & Agarwal, V. (2017). Classical robots perturbed by Levy processes: analysis and Levy disturbance rejection method. Doi: 10.1007/s11071-017-3471-8.

Srivastava, M., Maheshwari, S., Kundra, T. K., & Rathee, S. (2017). Multi-response optimization of fused deposition modelling process parameters of ABS using response surface Methodology (RSM)-Based desirability analysis. *Journal Materials Today: Proceedings*, 4(2), 1972-1977.

Suman, S. K., Chauhan, S., & Singh, D. K. (2018). A mathematical model to optimize cost in reverse logistics. *Advances in Economics and Business Management*, 5(2), 110-113.

Seminar/Conference Presentations

Furkan Ahmad, Pramendra Kumar Bajpai, Tensile strength comparison of carbon/epoxy and glass/epoxy laminates: A finite element study, International Conference on Advances and Soft Computing Applications in Design and Manufacturing (ASCADM-2018), 04-06 June 2018, NIT Patna.

Khushi Ram, Pramendra Kumar Bajpai, Effect of Processing and Type of Mechanical Loading on Performance of Bio-Fibers and Bio-Composites, , International Conference on Advances and Soft Computing Applications in Design and Manufacturing (ASCADM-2018), 04-06 June 2018, NIT Patna.

Faculty Strength

Professor: 03

Associate Professor: 06

Assistant Professor: 07

COLLEGES

ACHARYA NARENDRA DEV COLLEGE

Major Activities and Achievements

The college has been accredited with Grade 'A' and a score of 3.31 by NAAC and proud recipient of 'Star College Grant' from Department of Biotechnology, Government of India with seven science departments of the college getting the coveted recognition. The college has been awarded with an 'Incubation Centre' for the period of three years by Department of Training and Technical Education, Government of NCT of Delhi with a grant of Rs. 1.5 crores per year. Under this program, three start-ups have already been incubated. The college has been empanelled as a Project Institute of Higher Education, Government Category. Several students of the college have attained academic excellence (details of which are under students achievements section) Three students have submitted their Ph. D. thesis under the direct supervision of faculty members of the college and also three faculty members have submitted/awarded with Ph.D. degree. International Quality Assurance Cell (IQAC) has started a job-oriented skill development course entitled 'Quality Control (QC) Chemist' of NAQF level 5. 3

Honours /Distinctions

Dr. Savithri Singh (Principal):

- Awarded Exceptional Women of Excellence by Women Economic Forum (WEF).
- Invited to participate in Mobile Learning Week in a UNESCO flagship ICT in Education Conference in the month of March 2018. She contributed towards the Ljubljana OER action plan and the draft OER recommendation.
- Member of DST selection committee constituted for the 'National award for Women Development through application of science and technology' for individuals and institutions.
- Invited under the Indo-Slovenia Project to deliver a talk on 'Exposure response assessment of Ambient Air Pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study'.
- Invited for the talk on 'Digital Licensing: Issues and Challenges' during one day seminar on "Digital Licensing: Smart Decisions for Smart Libraries" organized by National Law University as a Vice-Chancellor Nominee.
- Co-chaired a committee constituted by University of Delhi to develop and to implement an efficient system to record and monitor attendance of students in colleges and departments of University of Delhi.
- Invited to participate in Internet Universality Indicators for Safe, Secure and Inclusive Cyberspace for Sustainable Development, event organized by UNESCO, New Delhi in collaboration with the Ministry of Electronics and IT, Government of India in the run-up to the Global Conference on Cyberspace.

Dr. Urmi Bajpai awarded with the prestigious 'Excellence Award for Teaching in Service in College' by University of Delhi and was appointed as Deputy Dean (Research) at the research Council of DU.

Dr. Mamta Bhatia awarded with Fulbright-Nehru Academic and Professional Excellence Fellowship. Shw was involved in teaching Physics at Miami Dade College, USA for 4 months as apart of her responsibility.

Dr. Seema Gupta awarded with Meritorious Teacher's Award 2017 by Directorate of Higher Education, Government of NCT of Delhi.

Dr. Gagan Dhawan successfully completed one year UGC-Raman Post-Doctoral Fellowship at Centre for Green Chemistry, University of Massachusetts, Boston, USA.

Dr. Geetu Gambhir and Dr. Sunita Hooda received a first prize and a trophy for the best poster presentation on "Remediation of Heavy Metal ion Toxicity from Waste Water Using Functionalized Chitin" in an International Conference organized by Public Health Foundation of India and Pacific Basin Consortium, IHC, New Delhi.

Dr. Vandana Uberoi was invited to attend a Research and Innovation Seminar with an objective to showcase Scotland's collective research expertise and to seek collaboration and partnership with Indian Research Institutes specially focusing on Undergraduate science students by British Council.

Dr. Sarita Kumar awarded with the best poster entitled 'Impact of acetamiprid on the survival, morphology and development of *Aedes aegypti* L. (Diptera:Culicidae)' during the Annual Convention, "Biochemistry and Molecular Biology: From Niche to Nation" at 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City Philippines in November 2017.

Dr Arijit Chowdhuri tutorial Co-chaired 6th International Symposium on Integrated Functionalities (ISIF - 2017), New Delhi, December 10-13, 2017.

Dr Amit Garg won the second prize for the project 'Brain Controlled Wheelchair' in the Project Category at National Science Day Celebrations, INSA, New Delhi on 28 February 2018.

Students with distinctions

Ms. Ayushi Raturi of B. Sc. (Hons) Zoology I year secured II position in the University.

Ms. Ayushi Raturi of B. Sc. (Hons) Zoology II year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Mr. Mayank Shukla of B. Sc. (Hons) Physics III year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Ms. Harleen Kaur of B. Sc. (Hons) Zoology III year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Ms. Monal of B. Sc. Physical Sciences II year was awarded with a Rs 10,000/- for being the meritorious student of the academic session 2016-17 studying in Government funded colleges.

Publications (Selected)

Das, P., Kumar, P., Kumar M., Solanki, R., Kapur, M. K. (2017). Purification and molecular characterization of chitinases from soil actinomycetes. *African Journal of Microbiology Research*. 11(27), 1086-1102.

Eniyan, K., Dharavath, S., Vijayan, R., Bajpai, U., Gourinath, S. (2018). Crystal structure of UDP-N-acetylglucosamine-enolpyruvate reductase (MurB) from *Mycobacterium tuberculosis*. *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics*. 1866(3), 397-406.

Garg, M.K., Venkataramiah, G. (2016). Portrayal of Double Standards in Salma's narrative- The Hour Past Midnight. *International Journal of English Language Literature and Humanities*, 4 (11), 2321-7065.

Gupta, C. K., Chowdhuri, A. (2017) Virtual Learning Environment (VLE)- A platform to enhance quality education. *International Journal on Education Growth and Research*, 2(1).

Gupta, R., Abraham, J. S., Somasundaram, S., Toteja, R., Makhija, S., El-Serehy, H. A. (2017). Taxonomic and Morphogenetic Description of the Freshwater Ciliate *Aponotohymena isoaustralis* n. sp. (Ciliophora; Oxytrichidae) Isolated from Sanjay Lake, Delhi, India. *Acta Protozoologica*. 56(2), 93-107.

Sharma, A., Kumar, S., Tripathi, P. (2017). A facile and rapid method for green synthesis of *Achyranthes aspera* stem extract-mediated silver nanocomposites with cidal potential against *Aedes aegypti* L. *Saudi Journal of Biological Sciences* (article in press)

Sharma, S. V., Hooda, S. (2017). An analysis upon various strategies for redesign and direct evolution of enzyme engineering. *Journal of Advances in Science and Technology* 13, 144-150.

Singh, C., Singh, S. R. (2017). Supply chain model with two storage facility for stock dependent demand incorporating learning and inflationary effect under crisp and fuzzy environment. *International Journal of Fuzzy System Applications*, 6(2), 82-109.

Warren, A., Patterson, D. J., Dunthorn, M., Clamp, J. C., Achilles-Day, U. E. M., Aesch, E., Al-Farraj, S. A., Al-Quraishy, S. Fan, Y., Gao, F., Gao, S., Gong, J., Gupta, R., Hu, X., Kamra, K., Langlois, J., Lin, X., Lipscomb, D., Lobban, C. S., Luporini, P., Lynn, D. H., Ma, H., Macek, M., Mackenzie-Dodds, J., Makhija, S., Mansergh, I., Martín-Cereceda, M., McMiller, M., Montagnes, D., Nikolaeva, S., Ong'ondo, G.O., Pérez-Uz, B., Purushothaman, J., Shi, P., Song, W., Stoeck, T., Terza, A. L., Vallesi, A., Wang, M., Weisse, T., Wiackowski, K., Wu, L., Xu, K., Yi, Z., Zufall, R., Agatha, S. (2017). Beyond the "Code": a guide to the description and documentation of biodiversity in ciliated protists (Alveolata, Ciliophora). *Journal of Eukaryotic Microbiology*. 64(4), 539-554.

Zhang, W., Dhawan G. (2017). A brief overview of chemical and biological synthesis of vanillin flavour. *Journal of Shanghai Institute of Technology (Natural science)*. 17(2), 102-111.

Research Projects

Dr. Arijit Chowdhuri, Dr. Charu Khosla, Dr. Savitri Singh project funded by DST (Indo-Slovenia joint project) entitled Exposure-Response assessment of Ambient Air Pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study during 2015-18 for Rs. 16.11 lakhs

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 8

Seminars organized

Seminar, 'Wonders of Pollination at Work' delivered by Professor Rajesh Tandon, Department of Botany, University of Delhi on 26 September 2017.

Seminar, 'Biodiversity and the Need for its Conservation' delivered by Dr. Rita Singh, University School of Environment Management, GGSIPU on 2 November 2017.

Seminar, 'Environment, Ecology, Ecosystem and Ecological Restoration' delivered by Professor C. R. Babu, University of Delhi on 18 January 2018.

Seminar, 'Ethical Hacking' delivered by Dr A.K. Mohapatra Associate Professor, Indira Gandhi Delhi Technical University for Women (IGDTUW) on 15 September 2017.

Seminar, 'Applications of Biomedical "Imaging in Drug Discovery and Treatment Monitoring' by Dr Soumya Mitra, Senior Scientist II, Abbvie Bioresearch Center, Worcester, MA, USA and former faculty at University of Rochester, Rochester, NY USA on 26 September 2017.

Conferences/ Workshops Organised

Symposium entitled 'Safety Measures and Laboratory Ethics' under the aegis of Star College Scheme organized during 21 and 22 February 2018.

Research Based Pedagogical Tools (RBPT) based workshop on 'Microbial techniques for college students' during 10 and 11 January 2018.

Workshop entitled 'Systematic Use of Digital Information in Academic Activities' under the aegis of Star College Scheme organized on 10 November 2017.

Workshop entitled 'Discovery of Mycobacteriophages from environmental samples' organized from 21 to 23 June 2017.

National Conference and Workshop entitled 'Trends and scope of Forensic Science' during 11 and 12 April 2017.

Seminars/Conference Presentations: 17 International and 15 National presentations (Selected)

Gagan Dhawan presented a paper entitled, 'Novel synthetic strategy for metal-free di-/tri-fluoromethylthiolation and per-fluoroalkylthiolation reactions' at the International Symposia on Fluorous Technologies (iSOFT Boston 2017) held at Boston, USA in 2017.

Arijit Chowdhuri and Charu K Gupta presented a paper entitled, 'Measuring ambient air pollution using data envelope analysis with principal components: an exposure – response assessment' at the 3rd International Conference on Environmental Science and Technology (ICOEST - 2017) held at Budapest, Hungary in 2017.

Manoj Kumar Garg presented a paper entitled, 'Subjugation of Dalit Women in Baby Kamble's The Prisons We Broke' at the 4th JGU International Literary Conference. O P Jindal Global University held at Sonapat, Haryana, India in 2018.

Urmi Bajpai presented a paper entitled, '*In silico* characterization of endolysins purified from a mycobacteriophage isolated from New Delhi and investigation of their bacteriolytic activity' at the International Conference on Bacteriophages in River Ganga, held at BHU, Varanasi, India in 2017.

Vandana Uberoi presented a paper entitled, 'Waste water treatment using Bioremediation Techniques' at the International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow held at the University of Delhi. Delhi, India in 2017.

Geetu Gambhir presented a paper entitled, 'Remediation of heavy metal ion toxicity from waste water using functionalized chitin' at the International Conference of the Public Health Foundation of India and Pacific Basin Consortium, Environmental Health and Sustainable Development held at New Delhi, India in 2017.

Amit Garg and Arijit Chowdhuri presented a paper entitled, 'Effect of Concentration Variation in Graphene Oxide (GO) Membranes for Water Flux Optimization' at the 2nd International Conference on Condensed

Matter & Applied Physics (ICC 2017) held at Department of Physics, Govt. Engineering College, Bikaner in 2017.

Seema Makhija and Ravi Toteja presented a paper entitled, 'Use of ciliates in bio-monitoring heavy metal pollution' at the Indian Network for Soil Contamination Research International Conference held at Department of Zoology, University of Delhi, Delhi, India in 2017.

Sunita Hooda presented a paper entitled, 'Fast and selective detection of Cu^{2+} and Fe^{3+} ions by 4-susstituted 2-Aminothiazole in aqueous medium' at the International Conference on Emerging Trends in Drugs Development and Natural Products held at Department of Chemistry, University of Delhi, Delhi, India in 2018.

Pankaj Khanna presented a paper entitled, 'Designing a Virtual Chemistry Lab for Undergraduate Student's at the 3rd India International Science Festival under SYPOG-Young Scientist's Conclave held at Anna University, Chennai, India in 2017.

National/International (MoUs) Signed:

MoU signed between Acharya Narendra Dev College (ANDC) and Translational Health Science and Technology Institute (THSTI), Faridabad for Science Setu programme. The programme has been initiated to bridge the gap between classroom science teaching and research. As a part of this MoU, scientists from THSTI will actively share their research interests with undergraduate students and will provide opportunities to students to work on short-term projects at THSTI under their guidance.

College has accepted annual membership of ICT Academy (an initiative of the Government of India which has collaboration with the state Governments and Industries). ICT Academy is a not-for-profit society and first of its kind as a pioneer venture under the Public-Private-Partnership (PPP) model that endeavours to train the higher education teachers and students. This would help train our next generation teachers and produce industry ready students.

Placement Details

Number and Percentage of Students Placed: 44 (55% of students appeared)

Number of Companies/Industries visited for Campus Recruitment: 08

Extension and Outreach Activities

NSS team organized several cleanliness drives inside and outside the college campus under *Swachh Bharat Abhiyaan*. Eco Club of the College initiated a drive 'Stop the use of thermocol disposables' in the college canteen and other kiosks in the college premises. Students participated in the 'CMS Vatavaran Environment and Wildlife International Film Festival and Forum 2017' held at GSDS, Rajghat, New Delhi during 2 to 6 November 2017. College emerged as the winner in the exhibition on sustainable development using waste material and handmade products. College in coordination with Delhi State Legal Services Authority, South-East District initiated an add-on course entitled 'Legal Awareness' for college students during the month of January 2018.

Self defense training programme was organized in collaboration with Delhi Police from 19 to 24 February 2018.

Library Development

The Radio Frequency Identification (RFID) based Library Management System continues to facilitate faster transactions for the library. Self- checkout service and external book return/ book drop stations are great ways to avoid queues at the circulation/reserves desk during peak periods. An annual Book Exhibition was organized on 7 and 8 September 2017 for the faculty and students. More than 800 books and 2 journals were added to the library this year. The total numbers of books, journals and magazines in the library have now reached 30023, 18 and 10, respectively.

Faculty Strength

Number of permanent faculty : 73

Number of Temporary faculty: 02

Number of Ad-hoc faculty: 52

Financial Allocation and Utilisation

Grant Sanctioned: Rs. 25,90,00,000/-

Grant Utilised: Rs. 24,02,47,310/-

Other Significant Information

College has instituted a service award 'निष्ठा :Service Award' to recognize the staff for completing twenty five years of regular service and the Principal for completing ten years at Acharya Narendra Dev College. College was awarded 'World Ecology, Environment and Development (WEED) Award' at the 6th World Environment Congress for outstanding contribution towards environment conservation by International Association of Educators for World Peace. College received a certificate of appreciation for protecting trees and Mother Earth by recycling paper using expertise of 'Green Globecare'. College offers 'ELITE Scheme' (Education in a Lively Innovative Training Environment) under which the students undertake short-term research projects during their summer vacations. College provides them with a fellowship of Rs. 1,000/- per month.

ADITI MAHAVIDYALAYA

Major Activities and Achievements

The college was awarded 'Girl Centric Tertiary Education and Training Award' during the World Women Summit 2018. In line with 'Ek Bharat Shrestha Bharat' mission of our government, the college organized a north-east cultural festival 'Orunodoi-2017'. An excursion to Sikkim was organized for cultural exchange for which college was felicitated by the Government of Sikkim and a letter of appreciation was awarded by M.H.R.D. Government of India. To achieve holistic development of students (girls), college several workshops and trainings on health and wellness were organized. Medical camp for staff members was also organized in collaboration with B.L.K. Super Specialty Hospital. UGC funded National Conferences were also organized. Contributing to the green initiatives of the college, we have entered into partnership with 'Greenotech' under which waste paper generated in the college is exchanged for usable stationery items.

Honours/Distinctions

Dr. Mamta Sharma (Principal):

- Recipient of 'Girl Centric Tertiary Education and Training Award' on occasion of Women's Day by Women's Agency for Generating Employment, at I.I.C. Delhi on 8 March 2018
- Honored with 'Alumni Achiever Award' by N.C. Jindal Public School, Delhi on 23 December 2017.
- Recipient of 'Bharat Ratna Dr. A.P.J. Abdul Kalam Gold Medal' for outstanding contribution to research by the Global Economic Progress Research Association on 15 October 2017.

Dr. Neenu Kumar was awarded 'Ecologist and Environment Health Educationist Award' by Nutrition and Natural Health Sciences Association, at the National Health Award Summit--2017, held at India International Centre, Delhi on 27 December 2017.

Dr. Archana Sawshilya accorded by 'Patna Doordarshan' for her Live Telecast for the programme 'Achiever of the State' on 19 June 2017.

Dr. Beena Antony Reji was invited as a chief guest in Tihar Jail No.6 for a program organized by Vidyajyoti College of Theology, Delhi on 5 December 2017.

Students with Distinction

Ms. Pooja Siwatch of B. El. Ed II year secured I position in the University.

Ms. Monika of B.A. (Hons) Social Work II year secured I position in the University.

Ms. Ojshi Sharma of B. El. Ed I year secured II position in the University.

Ms. Anuradha of B. El. Ed. II year secured a gold medal in Open National Taekwondo Championship

Ms. Shivani Jadaun of B. A. (Pass) I year is the recipient of all-India plate for Girl Guide, representing India and badge from World Association of Girl Guides and Girl Scouts.

Publications

Bajaj, A. (2018). Engendering gender in school curriculum, *Journal of Indian Education*, NCERT Delhi, February. ISSN: 0377-0435.

Gupta, H. (2018). Role of board of Directors in Corporate Governance in Indian Power Sector. *National Journal of Multidisciplinary Research & Development*, 3(1). ISSN 2455-9040.

Gupta, P (2018). Module: *Gender violence and laws for safety and security of girls and women for online course on Gender Issues in Education*, Department of Gender Studies (DWS), NCERT, New Delhi.

Jain, A (2018). Corporate Governance and Mandatory Board Committees: An Empirical Study in Indian Context, *Gurukul International Multidisciplinary Research Journal*, Special Issue. ISSN 2394-8426.

Lamba, R. (2018) Author for practical curriculum for IGNOU advanced diploma in early child development and education

Patra, P (2017). *Module-35: Morphometric Analysis (P-11, Geomorphology)*. <http://epgp.inflibnet.ac.in/ahl.php>.

Sawshilya, A (2017). *Swachh Bharat Abhiyan: Need for a Workable and Effective Model*, *Bihar Journal of Public Administration*, Vol. xiiinxiv, No-1. ISSN 09742735

Sharma, M. (2018). Integrated Assessment of Desertification, Land-use Change and Ecological Degradation – a case study of Rewari Industrial area of Delhi-NCR, *International Journal of Theoretical and Applied Science*, ISSN No- 2249-3247 (Accepted for Publication, January, 2018).

Sharma, M. (2018). *Concepts of Education Management*, India, Anne Books Pvt. Ltd. ISBN No-9789385-462887

Sharma, R. (2018) *Life Style: A key to Healthy Aging*, Germany, Scholar's Press.

Number of college teachers serving as Editor(s)/Member(s) of Journals:

Number of Teachers Serving as Editors: 3

Members of Editorial Board: 2

Research Projects

Dr. Asha, project funded by University Grants Commission and entitled 'Hindi Rangmanch Ke Vikas mein Mahilayaon Ka Yogdaan' from 2015-2018 for Rs 11 lakhs

Dr. Bhawana Rajput, project funded by University Grants Commission and entitled 'Interstate variation in Financial Inclusion: The Indian Evidence' from 2015-2018 for Rs 1,08,400/-.

Seminars Organised

Seminar, 'Bharat Chhodo Andolan: Virasat Ek Sameeksha' delivered by Sh. Gopal Rai, Minister, Government of Delhi on 18 August 2017.

Seminar, 'Tally ERP 9' delivered by Dr. Hem Chand Jain, Associate Professor at DDU College, University of Delhi on 19 September 2017.

Seminar, 'Village Tourism in India' delivered by Prof. Kaushal Kumar Sharma, Jawaharlal Nehru University on 9 February 2018

Seminar, 'Geographical Research and Future Earth' delivered by Name of Speaker: Prof. Michael Meadows, General Secretary, International Geographical Union on 9 November 2017.

Conferences Organized

Conference entitled 'Recent Advances in Chemical Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyaan Perspective' was organized on 10 and 11 October 2017 and supported by University Grants Commission.

Conference entitled 'Climate Change and Disaster Risk Reduction in Urban System' was organized on 26 March 2018 and supported by University Grants Commission

Seminar/ Conference Presentation

Punyatoya Patra presented a paper entitled, 'Reorienting Ethics in the Agricultural Practices in Northern Fringe of Delhi- Ecology over Economy' and was awarded with a 1000€ travel bursary from Lapland University at the Colloquium "2nd Peaceful Coexistence Colloquium– Reimagining ethics and politics of space for the Anthropocene" organized by University of Lapland, Finland from 6 to 9 June 2017.

Manisha Wadhwa presented a paper entitled, 'Developing Environmental Awareness among Children: Swachh Bharat Mission Perspective' at the UGC sponsored "National Conference in the Area of Recent Advances in Chemical Science" towards the Green and Sustainable Environment: Swachh Bharat Mission perspective of Government of India organized by the college on 11 October 2017.

Nitu Rana Dabas presented a paper entitled, 'Impact of Active and Independent Board on the Performance and Financial Strength of the Life Insurance Companies in India' at the "70th All India Commerce Conference of Indian Commerce Association" organized by Faculty of Commerce and Management, IIS University, Jaipur from 12 to 14 October 2017.

Neenu Kumar presented a paper entitled, 'Man's Interaction with Nature—An Ecocritical Study of Margaret Atwood's Oryx and Crake (2003) and The Year of the Flood (2009)' at the "International Conference on Why Ecocriticism?" held at Sikkim Government College, Tadong, Sikkim during 21 to 23 November 2017.

Nalini Singh presented a paper entitled, 'The making of New Delhi, A study of destruction of Pre-colonial settlements and memories, 1860s -1920s' during the "Indian History Congress" held at Jadavpur University, Calcutta from 28 to 30 December 2017.

Ritu Sharma presented a paper entitled, 'Caregiver stress as leading factor for elder abuse in contemporary India: A rising need for home assisted long term care' during the "International Conference on Psychology, Health and Medicine 2018" held at Amity University, Rajasthan from 2 to 4 February 2018.

Beena Antony Reji presented a paper entitled, 'Positive Mental Health and Human Being's Sustainability' at the "XUB Sustainability Summit 2018" organized by Xavier University Bhubaneswar from 9 to 10 February 2018.

Rashmi Gupta presented a paper entitled, 'High Quality Physical Education: The Need of the Hour' at the "4th National Conference on Physical Education and Sports Sciences" organized by PEFI at Convention Center, NDMC, Sansad Marg, New Delhi during 9 and 10 February 2018.

Neenu Kumar presented a paper entitled, 'Thoreau's Civil Disobedience and Gandhi's Satyagraha' at the India International Center (IIC) sponsored "International Conference on Thoreau and the Transcendentalists: Their philosophy and Related Concerns" organized jointly by the Bharati College, University of Delhi and IIC from 15 to 17 March 2018.

Students Under Exchange Programme

25 Students visited Sikkim under exchange programme in January 2018.

Placement Details

Number of students placed – 16

Extension and Outreach Activities

Adoption of Shahbad Dairy Village.

Library Development

Four hundred and fifty six new books were introduced and several computers were also installed to help students gain access to invaluable information available over internet. The automation of library is under process.

Faculty Strength

Total number of faculty = 100

Financial Allocation and Utilization

Grant sanctioned - Rs. 13.92 crore

Grant Utilized - Rs. 15.24 crore

Other Significant Information

Dr. Mamta Sharma was invited as a Guest of Honor for the 'Betiyaan Padao – Shrishti Sajao' award function organized by the Betiyaan Foundation, Delhi on 18 February 2018. She was also invited as a Guest of Honor and Panelist at 'Indiacom 2018' in the event 'Digital India' organized by Bharti Vidyapeeth Institute of Computer Applications and Management, Delhi on 15 March 2018.

AHILYA BAI COLLEGE OF NURSING

Major Activities and Achievements during the period.

Ahilya Bai college of Nursing (ABCON) is affiliated to Lok Nayak Hospital for its clinical training and functions under the direct administrative control of Government of NCT of Delhi. The college is affiliated to many departments of Maulana Azad Medical College for classes of the students as per requirement of the subjects of the course. The current admission strength is 40 students per annum plus supernumerary seats for students from J & K under PMSSS J&K. The ABCON also functions as study centre for post basic B. Sc (Nursing) of IGNOU and at present there are 75 students under training in three years programme. This academic year, students participated in various co-curricular activities, namely World Mental Health Day which was celebrated on 10 October 2017, Breast feeding and self breast examination week starting from 1st to 7th August 2017.

Honours/Distinctions

Ms. Shobha Gusain awarded with Ph. D.in Nursing.

Students with distinction

Students secured I prize at the Swachh Bharat Skit competition held at All India Institute of Medical Sciences on 26 September 2017. Students participated in a painting competition on 'Save the Girl Child' and secured II prize.

Faculty Strength

Total number of teaching faculty = 16

Placement Details

Number of students placed in India and abroad – nearly 100%

Extension and Outreach Activities

Students provided their services in the Perfect Health Mela organized by the Heart Care Foundation of India during 5 to 7 October 2017. The theme of the mela was 'Digital Health'.

AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

Major activities and achievements

Amar Jyoti Institute of Physiotherapy is awarded with centre of excellence for physiotherapy education and skill development at an undergraduate as well as a post graduate level. The Institute offers a Bachelor of Physiotherapy (BPT) and Master of Physiotherapy (MPT) courses in two specialities Musculoskeletal Physiotherapy and Neurological Physiotherapy. The college also manages nine speciality clinics– out patient departments that cater to a broad spectrum of patients from all strata of society. MPT students have presented papers at various national conferences held across the country. Ms.Tanvi Sethi presented a paper and was awarded a third position at the 6th International Conference of Physical Therapy 2017 held at All India Institute of Medical Sciences, New Delhi on 20 December 2017. Ms. Sakshi Shandilya presented a poster and awarded with first position at the 3rd International Physiotherapy conference held at Indraprastha Apollo hospital on 10 September 2017.

Honors/ Distinction

Dr Raju K Parasher invited as an expert and as a member of an External Peer Review Committee to evaluate Sri Ramachandra University of Health Sciences, Porur, Tamil Nadu in order to conduct a UGC review of the Deemed University during 7 to 9 December 2017.

Dr Raju K Parasher nominated as a member of NAAC core committee constituted to develop manual for accreditation of health science institutions. The mandate of the committee is to revise the accreditation framework of NAAC.

Students with distinction

Graduating student Ms. Preksha Sharma secured I position in the University.

Ms. Geetanjali Chawla of Bachelor of Physiotherapy (BPT) IV year secured I position in the University.

Mr. Digvijay Singh of Bachelor of Physiotherapy (BPT) III year secured I position in the University.

Ms. Shreya Vashist of Bachelor of Physiotherapy (BPT) II year secured I position in the University.

Ms. Aishwarya Gupta of Bachelor of Physiotherapy (BPT) I year secured I position in the University.

Publications

Jain, A., Shah, C. (2017) Effectiveness of Three Different Surfaces for Balance Training on Ambulant Stroke Patients – A Comparative Study. International Journal of Science and Research, 6 (10), 578-583.

Patki, K., Bhatnagar, B., Parasher R.K. (2017) Establishing Intra-rater Reliability of Physical Fitness Tests used in Elementary School Children between the Age of 6-14 Years: A Pilot Study. International Journal of Science and Research, 6 (8), 345-47.

Parasher, R.K. (2017) Chapter entitled 'Falls in the elderly' in "Textbook of prevention practice and community physiotherapy" first edition, volume 2, Jaypee brother's medical publisher, ISBN-978-9352703258.

Saxena, P.M., Patki, K., Parasher, R.K. (2017) Prevalence of urinary incontinence in women living in Delhi. International Journal of Science and Research (IJSR). 6 (5), 1502-1506.

Number of college teachers serving as Editor(s)/Member(s) of Journals: 4

Research Projects

Dr. Jeyanthi S., Dr. Narkeesh Arumugam, Dr Raju K. Parasher, project entitled 'Effectiveness of Neuro Linguistics Programming (NLP) and Structured Exercises on Motor Skills, Physical Fitness and Attention in Children with ADHD- A Randomized Control Trial' for the period of 2017-19

Dr. Kshitija Bansal, Dr. Barkha Bhatnagar, Dr. Raju K Parasher, project entitled 'Fitness of Urban Elementary School Children: Impact of Exercise, Nutrition and Socio-Economic Status' for the period of 2017-19.

Dr. Jeyanthi S., Dr. Raju K. Parasher, Dr. Anu Bansal, project entitled 'Development and validation of a screening tool to determine the prevalence of urban women predisposed to Polycystic Ovary Syndrome in Delhi' for the period of 2018-2020.

Dr. Sampada Jahagirdar, Dr. Sonia Singh, Dr. Raju K Parasher, project entitled 'A study of the factors associated with fear of falls during ageing and establishing their relationship with functional abilities' for the period of 2018-2020.

Dr. Sampada Jahagirdar and Dr. Astha Jain, project entitled 'Hindi translation and cross cultural adaptation of International physical activity questionnaire- Short form and Elderly' for the period of 2018-2020.

Dr. Sampada Jahagirdar and Dr. Astha Jain, project entitled 'Hindi translation and cross cultural adaptation of MOCA.' for the period of 2018-2020.

Seminar organised

Seminar, 'Physical Fitness Analysis' delivered by Dr V. Sundar Kumar, Assistant Professor, M.S. Ramaiah Medical College was organized on 11 July 2017.

Seminar, 'Research Grant Writing' delivered by Prof. Arun Maiya, Associate Dean, Department of Physiotherapy, Manipal University on 6 January 2018.

Conference/workshop organized

Workshop entitled 'Health Science Education Technology' organized on 26 and 27 August 2017.

Conference entitled 'Neuro Developmental Techniques' organized during 26 and 27 October 2017 in collaboration with Sarnir Foundation, Delhi.

Conference entitled 'Principles of Sports assessment' organized on 2 and 3 February 2018.

Seminar/Conference Presentation

Raju K Parasher presented a paper titled 'Providing Physical Therapy and Rehabilitation Services Across Three Continents: The Impact of Cultural Factors' at the School of Health & Medical Sciences and Practice & Institute of Public Health, New York Medical College, Valhalla, New York on 5 September 2017.

Jeyanthi S. was invited as a chairperson and moderated the session on 'Manual therapy in Neurodynamics' during the "National conference organized by Jamia Hamdard University" on 8 September 2017.

Jeyanthi S. was invited as a resource person to deliver a lecture on 'Role of Physiotherapy in Infertility' during the National Conference "Apollo Physiocon 2017" held at Indraprastha Apollo Hospitals, New Delhi on 10 September 2017.

Jeyanthi S was invited as a chairperson and moderated the session on 'Physical activity and Life style disorder' in a "National conference organized by RML Hospital" on 15 September 2017.

Jeyanthi S. was invited to as a panellist for Panel discussion on 'Mental health Problem a New Challenge for modern life style' during the "National conference organised by RML Hospital" on 15 September 2017.

Sampada Jahagirdar presented paper titled 'A Balance Intervention for an Octogenarian: A Case Study' during the "International Conference of Physiotherapy" held at All India Institute of Medical Sciences, Delhi on 10 December 2017.

Sampada Jahagirdar presented paper titled 'Factors Associated with Fear of Falls in Indian Elderly' during the "3rd Annual Conference of Society of Indian Physiotherapists" held at Kolkata on 27 January 2018.

Kshitija Bansal moderated a 'rapid fire' paper presentation - on the topic 'An initiative towards international standards' during the "3rd SIP Conference" on 27 January 2018.

Kshitija Bansal invited as a panellist for a discussion on 'Improving Physical Activity in children and youth: Are we doing enough?' during the "3rd SIP Conference" on 27 January 2018.

Library Development

Total Library Budget: Rs. 1,70,721/-

Number of books added: 54

Physiotherapy Journals: 6

Faculty Strength

Total number of faculty = 16. (Thirteen Academic and Three Clinical)

ARYABHATTA COLLEGE

Major activities and achievement

The college started its new course on Bachelor of Management Studies in a regular mode from this academic year. College building and infrastructure was improved significantly with a green spacious lawn and a stepped outdoor seating at the Taregna Block as the highlights of its construction. The computer laboratory also witnessed a facelift with the addition of 48 terminals, a faculty research room with 12 workstations, and increase in the number of classrooms with projection facility. Construction of an another four-storey twin college building is expected to be completed by 2019. A covered space for the storage of office records and repair of storage cabinets is underway.

Honours / Distinctions

Vedant Sharma of B. Com I year secured III position in All India Inter University Badminton championship.

Manor Melawi of B.Com (Pass) I year was awarded a silver medal in an Inter-College boxing tournament.

Jyoti Deshwal of B.A. (Pass) I year was awarded with two gold, two silver and one bronze medal in BITS Pilani Swimming Tournament.

Bharat Singh of B. Com (Pass) III year awarded with a gold medal in an Inter-College Taekwondo tournament.

Publications

Chakravarty, S.L. (2017) Emerging issues on Inclusive Growth, Business and Environment, New Delhi, Regal Publications, ISBN: 978-81-8484-566-2.

Sinha, M. (2017) Citizenship and Governance, New Delhi, JTS Publications, ISBN: 978-93-85833-78-6.

Sinha, M. (2017) Naagrikta Aur Prashashan, New Delhi, JTS Publications, ISBN: 978-93-85833-79-3.

Singh, D. (2017) Dalit Literature: Issues and Perspectives, New Delhi, AK Publishers, ISBN: 938-50-228-38.

Sharma, R.A. (2017) Gaonse Sehar Tak, New Delhi, Isha Gyandeeep, ISBN: 978-93-82543-75-6

Singh, J.K. (2017) Investing in Stock Markets, New Delhi, A.K. Publications, ISBN: 978-93-85022-87-6.

Seminar Organized

Seminar, 'Industrial Motivation Campaign' delivered by Mr. D. C. Sahu, Deputy Director, MSME, Government of India on 26 September 2017.

Conferences Organized

National Conference entitled 'Hill Valley Connection in North East Indian' organized under the aegis of ICSSR, ICPR and Ministry of North Eastern region, Government of India on 5 and 6 January 2018.

An International Seminar entitled 'Vashudhaiva Kutumbakam' funded by UGC, ICSSR, ICHR, ICPR and Indian Oil Corporation and organized on 24 and 25 February 2018.

Seminar/ Conference Presentations

Kamayani Kumar presented a paper entitled 'Sindh and Partition of India' in the Seminar on "Understanding Partition(s) in/of Indian Subcontinent through Literature and Cinema with Special Focus on Sindh" hosted by UGC DRCSAP Phase 3 Department of English, Jamia Milia Islamia on 22 March 2018.

Kamayani Kumar presented a paper entitled 'Mediating Partition Through Visual Culture' in an International Conference on "15th New Directions in the Humanities" held at London from 5 to 7 July 2017.

Krishna Murari presented paper entitled 'Sacred Geography of Rajgraha: Some Introspection' during "International Conference at Gautam Buddh University" in the month of September 2017.

Rajesh Kumar, presented a paper entitled 'Bhoodan Movement' during the annual session of "Indian History Congress" held at Kolkata in the month of December 2017.

Sonal Linda, presented a paper entitled 'A Genetic Algorithm Approach to Context aware recommendations based on Spatio-Temporal Aspects' in an International Conference on "Integrated Intelligent Computing, Communication & Security" held at SJB Institute of Technology, Bengaluru on 24 and 25 January 2018.

Placement Details

Number and percentage of students placed - 42 (70%)

Number of Companies visited for campus recruitment - 7

Extension and Outreach Activities

College completed an add-on course on "Advance Skill Programme on Financial Markets" in collaboration with Advanced Institute of Financial Markets and Research under the flagship of NIESBUD, an organisation of Ministry of Skill Development and Entrepreneurship, Government of India from October 2017 till March 2018. Two short-term courses were added, namely, Bombay Stock Exchange (BSE) and Advance Program in Financial Modelling in collaboration with I.M.S. Pro School and under the flagship of NSDC, Ministry of Skill Development & Entrepreneurship. Enactus Aryabhatta was able to win four awards in a row for their projects. North East Inter-College Festival "Connect 18" was held from 19 to 23 March 2018 in the college premises.

Library Development

A new Library room and a separate Reading room were constructed in the Taregana Block with seating capacity of around 100 students.

Faculty Strength

Total number of permanent faculty = 55

Total number of ad-hoc faculty = 32

Financial Allocation and Utilization

Grant sanctioned: Rs.33,89,20,083/-

Grant Utilized: Rs. 23,65,57,058/-

Other significant information

Stage play, 'Nirala', won accolades to the college and the theatre group also performed at the TEDx Aryabhata event and at other university events. Personality Development Programme was organized for students for the overall development of students' personality including English proficiency enhancement and body language thereby preparing them for jobs. College organized its 1st Savitribai Phule Memorial lecture in partnership with Nehru Memorial Museum and Library, New Delhi on 21 March 2018.

ATMA RAM SANATAN DHARMA COLLEGE

Major Activities and Achievements

Atma Ram Sanatan Dharma College is a premier educational institution which aims to nurture excellence in education. The college was ranked 14th in India and 8th in the University of Delhi under the National Institutional Ranking Framework (NIRF), MHRD, Govt of India. As per the recent India Today ranking of Arts, Science and Commerce colleges in India, the college was ranked 12th among 100 Science colleges of the country and 11th among Commerce colleges in India, while 6th best college for Commerce among University of Delhi and 15th for Arts courses in India and bagged 8th position among University of Delhi. The college was awarded with Star College Grant from Department of Biotechnology, Government of India. Matrihasha Diwas was celebrated on 21 February 2018 to create awareness about the linguistic and cultural traditions of our country. On the birth anniversary of Sardar Vallabhbhai Patel the college celebrated Rashtriya Ekta Diwas.

Honours/Distinctions

Dr. Gyantosh Kumar Jha (Principal) awarded with 'Dr. S. Radha Krishnan Memorial National Teacher Award' by Akhil Bhartiya Swatantra Avam Lekhak Sangh (regd.). He is also awarded with a 'Certificate of Appreciation' by the Society for Disability and Rehabilitation Studies in honour of his outstanding contribution in achieving 5th position in NIRF and making the campus of Atma Ram Sanatan Dharma College completely barrier-free for higher education of students with disabilities.

Students with Distinction

Avinash Banarji of B.A. (Hons) III year was a University Topper.

Karnik Raj Sharma of B.Com. (Hons) 1 year was awarded with a gold medal in Trap (Jr. Men), gold medal in Trap (Sr. Men), gold medal in Double Trap both (Jr. and Sr. Men) tournaments.

Sachin Gupta of B. Com. (Hons) III year secured highest marks in the University Exam.

Nikita Mishra of B. A. (Hons) Economics III year secured highest marks in the University Exam.

Jyoti Shrimali of B.Sc. (Hons) Maths III year secured highest marks in the University Exam.

Publications (Selected)

Baskakov, S.A., Baskakova, Y.V., Lyskov, N.V., Dremova, N.N., Irzhak, A.V., Kumar, Y., Michtchenok, A., Shulga, Y.M. (2018) Fabrication of current collector using a composite of polylactic acid and carbon

nano-material for metal-free supercapacitors with graphene oxide separators and microwave exfoliated graphite oxide electrodes. *Electrochimica Acta*. 260:557-563.

Pandey, R., Viviani, M., Singh, P., Botter, R., Presto, S. (2018) The effect of synthesis and thermal treatment on phase composition and ionic conductivity of Na-doped SrSiO₃. *Solid State Ionics*. 314:172-177.

Pandey, R. Singh, P. (2017) Electrical conductivity of YSZ-SDC composite solid electrolyte synthesized via glycine-nitrate method. *Ceramics International*. 43: 11692-11698.

Prajapati, B., Kumar, B., Kumar, M., Chatterjee, S., Ghosh, A.K. (2017) Investigation of the physical properties of Fe:TiO₂-diluted magnetic semiconductor nanoparticles. *J. Mater. Chem. C*5: 4257-4267.

Sharma, N., Kumari, N., Chundawat, T. S., Kumar S., Bhagat, S. (2017) Efficient trifluoromethylation of C(sp²)-H functionalized α -oxoketenedithioacetals : route to regioselective synthesis of functionalized trifluoromethylatedpyrazoles. *RSC Adv.*: 7;10150-10153.

Sharma, N., Bhagat, S., Chundawat, T.S. (2017) Recent Advances in Development of GPR40 Modulators (FFA1/FFAR1): An Emerging Target for Type 2 Diabetes. *Mini Rev Med Chem*. 17: 947-958.

Singh, A., Sharma, A. Tomar, M., Gupta, V. (2017) Reduced graphene oxide-SnO₂ nanocomposite thin film based CNG/PNG sensor. *Sensors and Actuator B: Chemical*. Vol: 245, 290-298.

Shulga, Y.M., Baskakov, S.A., Lobach, A.S., Kabachkov, E.N., Volfkovich, Y.M., Sosenkin, V.E., Shulga, N.Y. S.I. Nefedkin, Kumar, Y., Michtchenko, A. (2018) Preparation of graphene oxide-humic acid composite-based ink for printing thin film electrodes for micro-supercapacitors. *J. Alloys & Compounds* 730: 88-95.

Tyagi, P., Sharma, A., Tomar, M., Gupta, V. (2017) A comparative study of RGO-SnO₂ and MWCNT-SnO₂ nanocomposites based SO₂ gas sensors. *Sensors and Actuator B: Chemical*. 248: 980-986.

Tyagi, P., Sharma, A., Tomar, M., Gupta, V. (2017) SnO₂ thin film sensor having NiO catalyst for detection of SO₂ gas with improved response characteristics. *Sensors and Actuator B: Chemical*. 248:980-986.

Teachers serving as Editor(s) and Member(s) of Editorial Board-13

Research Projects

Dr. Sunita Bhagat, project funded by Indian Council of Medical Research, 2015-2018, Design and Synthesis of Natural products isolated from E Jambolana and its structural analogs for assessment of their antidiabetic potential in STZ induced diabetic rats, Rs. 54 Lakhs.

Dr. Sunita Bhagat, project funded by DST-SERB, 2015-2018, Design and Strategic Synthesis of some Novel Marine Natural Products of Biological Importance, Rs. 43 Lakhs.

Dr. Raghvendra Pandey, project funded by DST-SERB, 2016-2019, Investigations and Development of the cost effective solid electrolyte for ITSOFCs, Rs. 35 Lakhs.

Dr. Yogesh Kumar, project funded by DST-SERB, 2017-2020, Design and optimization of performance parameters of hybrid capacitors using graphene (nano-carbons)/metal-oxide nano-composites electrodes with sodium ion based electrolytes, Rs. 43 Lakhs.

Dr. Rajeev Singh, project funded by UGC, 2013-2017, Synthesis and characterization studies of some single source molecular precursors of Al (III), V(V), Ti (IV) and related metals for the preparation of ceramic materials, Rs. 13.71 Lakhs.

Seminars organized

Seminar, 'Mastering the Stock Markets-Understanding Myths Related to the Capital Markets' delivered by Mr. Pulock Bhattacharji, Head Business Development, BSE Institute on 4 September 2017.

Seminar, 'Goods and Services Tax (GST)' delivered by Mr. Vijay Kaushik, AIFMR on 8 September 2017.

Seminar, 'Article 370 : Issues and concerns surrounding it, within Indian Federalism' delivered by Prof. Gull Mohd. Wani, Department of Political Science, University of Kashmir on 16 September 2017.

Seminar, 'European Classical Literature: An Introduction' delivered by Dr. Lalit Kumar, Assistant Professor, Department of English, on 21 September 2017.

Seminar, 'Contemporary Issues in Corporate Laws' delivered by CS Dhananjay Shukla, President NIRC, ICSI, on 17 January 2018.

Seminar/Conference Presentations (Selected)

Apra Sinha presented a paper entitled 'The impact of Economic Liberalisation on the Environment- An Empirical examination of Environmental Kuznets curve Hypothesis' at Kobe, Japan during 8 to 11 June 2017.

Balkishan presented a paper entitled 'Climate Change and Agriculture: Vulnerabilities, Livelihood Adaptation and Food Security' at Jawaharlal Nehru University on 25 and 26 August 2017.

Renu Bahuguna presented a paper entitled 'Constructing the Image of an Ideal Vaishnava Woman: Devotion and Gender in the Pushtimargi Narratives of the 16th-17th Centuries' at the "South Asian History Conference", organised by the Department of History, Punjabi University, Patiala during 10 to 12 November 2017.

Appala Naidu presented a paper entitled 'Determinants of enrollment in higher education institutions at Andhra Pradesh' during the month of November 2017.

Gautam Choubey presented a paper entitled 'Trauma Studies and Literature' at Dyal Singh College (Evening) in the month of November 2017.

Renu Bahuguna presented a paper entitled 'Bhakti and Gender in Medieval Rajasthan: Vaishnava and Santic Representations of Mirabai during the Seventeenth and Eighteenth Centuries' at 32nd Session of the "Rajasthan History Congress" held in Jaipur from 22 to 24 December 2017.

Amit Singh presented a paper entitled 'South China Sea Dispute and its Impact on India-Vietnam Relations' at Zakir Husain Delhi College, University of Delhi on 09 January 2018.

Raghvendra presented a paper entitled 'Science communication: Issues & Challenges' at the FAA Govt college Mahmudabad, Sitapur, U.P. on 16 and 17 February 2018.

Amit Singh presented a paper entitled 'From Girmitiya to Sahib: The Saga of Indian Diaspora in Fiji' at Jawaharlal Nehru University on 20 and 21 March 2018.

National/International MoUs Signed

College has entered into MoUs with companies, AIFMR, NIESBUD and others to offer training courses and other learning opportunities to students.

MoU with the Society for Disability and Rehabilitation Studies to provide infrastructural, monetary as well as instrumental support to differently-abled students across South Campus.

MoU with Jaagruti paper recycling unit for waste paper management.

MoU with Pom Pom for e-waste management.

Placement Details

Number of Students Placed in various Companies = 128

Extension and Outreach Activities

'Swacchta Pakhwara' was observed from 1 to 15 August 2017 during which many activities were organized. NSS and NCC units organized a seminar entitled "Swachh Bharat Swasth Bharat" on 04 August 2017. Poster making competition organized on 9 August 2017 on the themes of "Swachh Bharat Abhiyaan", "Effective Disposal of Waste", and "Hazards of Plastic". Swachh Bharat Committee organized an Elocution Competition on the topic, "Health and Hygiene are the real Wealth" on 14 September 2018. In an attempt to declutter the campus, unwanted files, old and outdated stationery like assignments, project materials, etc., were handed over to "Jaagruti" for recycling purposes.

Library Development

The library has over 109481 books, 3760 reference books and 80,38,582 ebooks. Library automation was a key feature this year with introduction of 17 computers, 109481 books and 468 journals and 82 digital database. Library software facilitates OPAC (Online Public access catalogue) functions, enabling users to access their required documents. Library is linked to N-List digital library, UGC infonet and INFLIBNET.

Faculty Strength

Total number of permanent faculty= 135

Total number of adhoc faculty= 60

Financial Allocation and Utilization

Grant Sanctioned: Rs. 45.7870 Crores

Grant Utilized: Rs. 35.4370 Crores

Other Significant Information

'Rangayan', the Dramatics Society of the college, organised a Theatre Festival, "Rangsheersh Jaidev Natya Utsav" in honour of acclaimed Hindi drama critic, Dr. Jaidev Taneja from 6 to 8 February 2018. A ten-day self defence training workshop in collaboration with 'Crime Against Women Cell, Delhi Police' was organized for female students of the college from 28 August 2017 to 6th September, 2017. Vigilance Awareness Week, an initiative of 'The Central Vigilance Commission (CVC)', was observed from 30 October to 4 November 2017. The week entailed a series of events focusing on this year's theme "My Vision: Corruption Free India"

BHARATI COLLEGE

Major activities and achievements

The college introduced four new courses, namely, Hons in Journalism in English, Hons in Psychology, Hons in Sociology, and Hons in Mathematics. Another significant achievement was introduction of two short term new skills based courses: 'Mass Communication' and 'Digital Marketing' from January 2018. A key feature of these courses is that they provide placement opportunities that make them attractive.

Honours/Distinctions

Dr. Kanta Rani Bhatia nominated and appointed as Vice Chairperson of "Delhi Sanskrit Academy" from December 2017 by Delhi Government.

Dr. Shubhra Kathuria, Department of Physical Education was nominated as the member of selection committee for Indian Squad of Lawn bowls for commonwealth Games 2018. Gold Coast, Australia.

'Elantre' Fashion Society of the college, secured first position at Manav Rachna International, IIT Delhi and BITS Pilani for best performance.

Ms Shilpi Sahi was awarded with a first prize in 'Prof. Samiuddin Memorial ICA Research Scholar Award' session for paper presentation entitled "Mediation Impact of Employee Engagement on the Relationship between Human Capital Dimensions and Performance" during the 70th All India Commerce Conference organized by Indian Commerce Association at IIS University, Jaipur from 12 to 14 October 2017.

Students with distinctions

Students of B. A. (Hons) Sanskrit secured III position in 'Sanskrit Kavyali' and 'One Act Play'.

Ms. Sapna from B.A. (Hons) in Sanskrit received a second prize for 'Sanskrit Kavya Dharita', Shivani from 3rd Year Sanskrit (Honours) got 3rd prize in 'Sanskrit Speech Competition'.

Ms. Tanya Pankhuri B.A. (Hons) in Sociology secured first position in doodle art competition on "Meme Culture" in the annual fest of Bhagwan Parshuram Institute of Technology (BPIT), Delhi

Publications

Betagiri, A. (2017) The translation of two of my poems: "Now" and "Joy" in the "Young Writing in Kannada" *Aniketana: A Quarterly Journal of Kannada Language and Literature*, Jan-March 2017.

Betagiri, A. (2017) Poems: "Langue," "Leave!" and "Oration on the Ingenuity of Man by Bacteria della Favela" *Indian Literature*, 297, Jan-Feb 2017.

Jha, S. (2017) The Erasing of Hierarchies and Bridging of Divides: In Ngugi Wa Thiong Globaletics: Theory and Plotics of Knowing. *Journal of English Language and Literature*.

Gupta, S. (2017) Financial Returns of Intangibles in Luxury Market: A Cross Sectional Study of 2015. *Journal of Commerce & Business Studies*.

Books published

Gupta, L. (2017) In *Ecocritism and Environmental Praxis and Dynamics of Childres's Literature*. New Delhi: Primus Publication.

Kumar, S. (2017) Macro Economic Performance Related to Revenue: An Overview. New Delhi: Shandilya Publications.

Research Projects

Project funded by Ministry of Human Resource Development, Government of India entitled 'History in the Classroom: Challenges, Innovations, Pedagogical Issues in Undergraduate History Teaching' for Rs. 10 Lakh.

Seminars Organized

Seminar, 'Understanding Goods and Service Tax (GST)' delivered by Dr. Renu Verma, Dean, Economics and Finance Faculty IBS Business School Gurgaon on 29 August 2017.

Seminar, 'Career Options in Finance' delivered by Dr. Kushal Bhateja, Finance Faculty & Program Head, International College of Financial Planning on 4 September 2017.

Seminar, 'Grooming and Personality Development for cracking interviews' delivered by Ms. Yukti Ahuja, Jagan Institute of Management Studies, Rohini on 9 October 2017.

Seminar, 'Tips and Tricks for Developing and Delivering Effective Presentation' delivered by Vaibhav Mediratta, Faculty, Puna Institute of Business Management on 20 March 2018.

Conferences Organized

Conference entitled 'Thoreau and the Transcendentalists: Their Philosophy and Related Concerns' was organized by the English department in collaboration with National School of Drama held at India International Centre on 15 to 17 March 2018.

Seminar/Conference Presentation

Saloni Gupta presented a paper entitled 'Impact of Demonitisation on Indian Stock Market Return' during the "International Conference of Business and Economics", held at Joseph B. Martin Conference Center at Harvard University and also chaired a session there on 25 May 2017.

Poonam presented a paper entitled 'Understanding and promoting religion via social media: Finding the right way' at the "6th Annual International Commerce Conference", organized jointly by Department of Commerce, Delhi School of Economics, University of Delhi and Academy of Indian Marketing during 11 and 12 January 2018.

Anubhuti Maurya presented paper entitled 'The Mythical Medieval: Periodization, Historical Memory and the Imagination of the Indian Nation' during the International Seminar organised by Forum Transregionale Studien and the Max Weber Stiftung on "Chronologies: Periodisation in a Global Context" held at Maison de France, Berlin, from 7 to 9 December 2017.

Ankur Betagiri presented paper entitled 'From Transcendental Subject to Empirico-Transcendental Doublet and Beyond' as part of Work-in-Progress Colloquium at IIT Delhi on 2 November 2017.

Devika Mittal presented a paper entitled 'Religion and Religiosity in School Cultures: A Study in the Indian Context' during the Conference on "Aspects of Gender and Religion in South Asia" organized jointly by ICSSR and JSPS in Waseda University, Tokyo from 23 to 25 November 2017.

Shailesh Kumar presented a paper entitled, 'Globalisation and Informalisation of Employment in India' at the "International Seminar on Leading Socio-Economic Issues in the Making of New India: Challenges, Ways and Means" organised by Queens Mary's College, Chennai, Tamilnadu on 13 to 15 September 2017.

Shailza Singh presented a paper titled 'Alternative Conceptualisation/s of Security in IR: Exploring the Possibilities from South Asia'. during the National Conference on "Re-working the 'Knowledge Structures in International Relations: Some Indian Contributions' organized by Institute for Research on India and International Studies (IRIIS) and supported by Indian Council for Social Science Research (ICSSR) held at India International Centre, New Delhi on 29 and 30 November 2017.

Shailza Singh presented a paper entitled 'Counter-Terrorism Mechanisms and Human Rights: The Missing Linkage' during the National Conference on "Human Rights Education" organized by held at National Council of Educational Research and Training (NCERT) Regional Institute of Education, Bhubaneswar, Orissa on 7 and 8 December 2017.

National/International (MoUs) signed

Memorandum of understanding (MoU) signed with Heavenly Culture World Peace, Restoration of Light (HWPL), an NGO based in South Korea working in different parts of the world and committed to providing peace education on 9 September 2017.

MoU signed with NIIT Ambit Computing Pvt. Ltd. to qualify NIELIT.

Placement details

Number of students getting successful placements = 83

Number of Companies/Industries coming for campus recruitment = 08

Number of repeat recruiters = 03

Extension and Outreach work

Number of camps organized in the surrounding areas = 4

Number of people enrolled/covered in the camps = 50

Number of students who worked in the camps = 20

Library Development

Convener for the library committee, Dr. Jaya Keral, was appointed for a smoother and better functioning of library. 783 books were added to the stock of Library making a total of 52091 books and 3639 books in book bank. The library subscribes to 19 Newspapers in English and Hindi, 20 National and International journals and 13 magazines.

Faculty Strength

Total number of permanent faculty = 69

Total number of temporary faculty = 01

Total number of adhoc faculty = 32

Financial Allocation and Utilization

Grant sanctioned: Rs. 2727.09 (in lacs)

Grant utilized: Rs. 2236.0916 (in lacs)

Any other significant information

Three of the non-collegiate NCWEB students were the toppers. The Bharati Pariwar has been working unitedly and steadfastly towards transforming the lives of the students that enter their portal whether they belong to SOL, NCWEB or regular system. The personal contact programme of School of Open Learning (SOL PCP) has helped 500 students of B. Com. a lot.

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES**Major Activities and Achievements**

The college has been recently accredited with Grade 'A' by NAAC and has also received a 'Star College Status' from the Department of Biotechnology, Government of India with four departments of the college viz; Biomedical Science, Food Technology, Biochemistry and Microbiology enjoying the coveted recognition. College has commenced three new courses, so presently our college offers 11 honours courses in Sciences. Nishant Sindhu, student of B. Sc. (Hons) Electronics II year represented India and got a gold medal in World University Shooting Competition in Malaysia. The students and faculty are actively involved in outreach programs as well, working in society and educating masses about various issues pertaining to environment, food safety and hygiene and health.

Honours/Distinctions

Dr. Avneesh Mittal awarded with Best College Teacher's Award (2016-17) by the Directorate of Higher Education, Govt. of NCT of Delhi.

Students Distinctions

Mr. Rahul Madan of B. Sc. (Hons) Biomedical Science III year I position in the University.

Ms. Hephzibah Saji of B. Sc. (Hons) Food Technology III year received a silver medal from All India Food Processors Association for "Italian Technical Services Award" at the 73rd Annual Conference of AIFPA.

Ms. Isha Sikri of B.Sc. (Hons) Biomedical Science III year secured admission in M.Sc. Regenerative Medicine, National University of Ireland with full scholarship.

Mr. Nishant Sindhu of B.Sc. (Hons) Electronics II year represented India and secured gold medal in FISU World Shooting Championship 2018 (World University) in 10m air pistol-Men Sports Championship, Subang, Malaysia.

Mr. Ujjwal B.Sc. (Hons) Chemistry I year represented Manipur state in (under 23 year) cricket tournament organized by BCCI.

Ms. Dimple Kaushik of B.Sc. (Hons) Electronics III year secured II position in 1st Delhi State Yoga Championship organized by Yogic Lifestyle Foundation on 5 and 6 October 2017.

Mr. Parth Bidaliya and Mr. Saiyam Dobhal, of B.Sc. (Hons) Polymer Science III year received the "Best Poster Award" at 7th National Symposium on Advances in Chemical Sciences organized by the Department of Chemistry, Guru Nanak Dev University, Amritsar (Punjab) held on 26 and 27 March 2018.

Publications (Selected)

Anand, P., Mittal, A., Saluja, D., Chaudhry, U., Pani, B., Thakur, R., Bhaskar, D., Naudial, N., Singh, P., Ahuja, P., Jindal, S., Bindra, D., Khurana, D., Shokeen, B., Das, D., Kumari, J., Bansal, N. (2018). Influence of material factors on childhood obesity. *DU Journal of Undergraduate Research and Innovation*. 3(1), 75-82.

Gangwar, A., Mittal, A., Nain, R., Sirohi, S. (2017) Polymers in Biomedical Applications. *Laghu Udyog Samachar*, 43(1). 14-16.

Jain, N., Singh, R., Kumar, G., Pani, B., Nain, R., Dutt, K., Muwal, P., Sirohi, S. (2017) Facile Preparation of Biodegradable and Printable Polyester Films. *Chemistry Select*, 2(35): 11415-11421. doi: 10.1002/slct.201702726

Jain, N., Sirohi, S., Pani, B. (2017) Indian Polymer Packaging Industry. *Laghu Udyog Samachar*, 4 (11):42-43. ISSN 0970-8006.

Nain, R., Dobhal, S., Bidaliya, P., Saini, G., Pani, B., Sirohi, S. (2018) Ag decorated silica nanostructures for surface plasmon enhanced photocatalysis. *RSC Advances*, 8(36): 20287-20294. doi: 10.1039/c8ra02543f

Saini, R., Kumar, M., Kumar, A., Bhatt, G., Khanna M. K., Kapoor, A. (2017) Analysis of Silicon Optical Waveguide for High Extinction Ratio TE/TM Pass Polarizers using Resonant Coupling between Guided Modes and Lossy Modes. *Journal of Electrical and Electronics Engineering (IOSR-JEEE)*. 12(3): 59-64 e-ISSN: 2278-1676.

Sirohi, S., Singh, R., Jain, N., Pani, B., Dutt, K., Nain, R. (2017). Synthesis and characterization of multifunctional ZnO/polyester green composite films. *Journal of Polymer Research*, 24(11) 193. doi: 10.1007/s10965-017-1355-8

Sirohi, S., Singh, A., Dagar, C., Saini, G., Pani, B., Nain, R. (2017) Facile synthesis of microporous SiO₂/triangular Ag composite nanostructures for photocatalysis. *Applied Nanoscience*, 7(8):633-643. doi: 10.1007/s13204-017-0597-4.

Sirohi, S., Nain, R., Dutt, K., Pani, B., Jain, N., Singh, R., Wadhwa, P., Saini, G., Panwar, P. (2017) Synthesis of Well-dispersed ZnO NPs for Nanofinishing Textiles and Biomedical Applications. *Nanotechnology-Driven Engineered Materials New Insights* Apple Book, Taylor and Francis. ISBN 9781771886345.

Sirohi, S., Verma, C. S (2017) *Writing of short articles chapters/books* in book entitled *Higher Education Faculty Career Orientation and Advancement*, India, Delhi: Centre for Education Growth and Research. ISBN: 978-81-933475-9-1.

Research Projects

Dr. Balaram Pani and Dr. Manjete Singh Barwa project funded by Board of Research entitled Nuclear Sciences, Spatial Distribution of uranium and associated water quality parameters in groundwater/surface water of six districts (Agra, Mathura, Mahamaya Nagar, Kanshiram Nagar, Etah and Badaun) of Uttar Pradesh, (2016-2017) for Rs. 26.94 lakhs.

Dr. Balaram Pani and Dr. Deepak Gupta project funded by SERB-Department of Science and Technology (DST) entitled Synthesis and Post Self-assembly Functionalization of Re and Ru-based Metallacycles and its Effects on the Photo physical and Electrochemical Properties, (2016-2018) for Rs. 23.29 lakhs.

Dr. Uma Chaudhry and Dr. Balaram Pani project funded by Department of Science and Technology (DST) entitled Safeguarding immunity and health versus Indiscriminate use of antibiotics: Building medical

awareness and capacity for informed choice through multilevel orientation, exhibitions and demonstrations for students, paramedics, drug marketing systems and community (2016-2018) Rs. 22.72 lakhs

Seminars Organised

Seminar, 'Change the future of migration – Investment in Food Security & Rural Development' held on October 16, 2017.

Seminar, 'Careers in I.T after graduation' was conducted by Landmark Institute on 23 January 2018.

Conferences Organized

National Conference entitled, 'Advances in Interdisciplinary Microbiology: Perspectives' was organized by the Department of Microbiology and was held on 13 and 14 March, 2018.

National Conference entitled, 'Food Safety, Nutrition Security and Sustainability AMIFOST' organized on 26 September 2017.

Seminar/Conference Presentations

Uma Dhawan coordinator and resource person for the first MHRD GIAN Course of University of Delhi on "RNA Metabolism and Neurodegenerative Diseases" held from 2 to 7 April 2018 at University of Delhi.

Uma Dhawan presented a paper entitled 'Challenges in Human Health: Prevention, Diagnosis and Cure' during the 11th Annual Symposium on "Frontiers in Biomedical Sciences (FBR-2018)" organized by Dr. B. R. Ambedkar Centre for Biomedical Research, University of Delhi from 19 to 21 February 2018.

Shubhra Barwa presented a paper entitled 'Sacred groves and biodiversity conservation' in the National Seminar on "Biodiversity Status and Significance" held at MDU, Rohtak on 21 March 2017.

Shvetambari Arora presented a poster entitled 'The Role of Calreticulin Transacetylase in Hypoxia' during the "Gordon Research Conference – Oxidative Stress and Disease" held at Lucca Barga, Italy on 19 to 24 March 2017.

Eram Rao delivered key note address on "Change the future of migration. Invest in food security and rural development" on the occasion of World Food Day-2017 at Amity Institute of Food Technology on October 12, 2017.

Shalini Sehgal was an invited speaker and presented 'Food Safety and Standards – Current Scenario' in the Practical Awareness Conclave on 'Food Safety and Regulations' held at New Delhi on 30 November 2017.

Shalini Sehgal was an invited speaker and presented 'Understanding Food Safety' at Ruia College, Mumbai under their Star College Scheme on 27 December 2017.

National / International MOUs signed

Memorandum of Understanding (MoU) signed with Clintox Bioservices, Hyderabad for collaborative activities of B. Sc. (Hons) Biomedical Sciences from August 2017 till date.

Placement Details

Number and percentage of students placed = 11

Number of Companies visited for campus recruitment = 8

Extension and Outreach Activities:

Ambrosia Society of Department of Food Technology organized activities on the theme 'Nutritional label reading' and 'Food packing material' from 9 to 16 September 2017 in Bhaskar Colony and Madhu Vihar. Foldscope activities were conducted during "Science Fusion Program" at Vigyan Prasara, NOIDA on 19 May 2017 and a workshop on 'Exploring Microorganisms with Foldscope – Origami Workshop' at Dr V C Roy memorial Children's reading room, Children's Book Trust on 3 June 2017.

Library Development

Library has a collection of 24945 volumes of books. Library has renewed subscription to N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) programme of INFLIBNET. Library has started using the RFID technology. This has paved the way for fast circulation, fast stock verification and more

security of the library. Successfully migrated from LSEase (LibSys) Library Management Software to KOHA – An Open Source Software for Library Management. KOHA utilities such as separate reports for issue and return of books on a given date and report of overdue charges collected on a given date are developed. The library has undertaken another important task i.e. inserting keywords to the existing database.

Faculty Strength

Total number of permanent faculty = 46

Total number of ad-hoc faculty = 38

Financial Allocation and Utilization

Grant sanctioned: Rs.21,39,52,236.00 /-

Grant utilised : Rs.14,99,60,445.67/-

Other Significant Information

The college has taken a giant leap in Digitisation & Automation by developing Zero Cost Integrated College Management System.

COLLEGE OF NURSING ARMY HOSPITAL RESEARCH & REFERRAL

Major activities and achievements

College of Nursing Army Hospital (R&R) offers B.Sc. (Hons) Nursing course with an annual intake of 30 students. Foundation day was celebrated with grand success and Lt Gen A K Das, Commandant AHRR and Major General Sushula Shahi, Addl DGMNS were the Chief Guest and Guest of Honor on the occasion. College released its second edition of magazine “Tarangini” during the occasion. An inter-house group song competition and slogan writing competition were organized during the 70th Independence Day celebration. Yoga camp was organized in collaboration with Army Hospital (R&R) wherein the students practiced different yoga postures and meditation under supervision of trained Yoga Instructors. The SNA unit of College of Nursing AHRR was adjudged as ‘Best SNA Unit’ of Delhi.

Honours/Distinctions

Lt Col Mary Priya A V, was awarded with GOC-in-C Commendation in January 2018.

Students with Distinctions

N/Cdt Aprajita Raj Rana secured highest marks in V Semester B.Sc. (Hons) Nursing examination.

N/Cdt Arunima G P secured highest marks in VI Semester B.Sc. (Hons) Nursing examination

N/Cdt Jyotsna secured highest marks in VII Semester B.Sc. (Hons) Nursing examination.

Research Projects

Major Jilmy Anu Jose project entitled ‘An experimental study to assess the effectiveness of povidine iodine on IV cannulation site in prevention of phlebitis among patients receiving IV therapy at selected wards of a quaternary care hospital of Delhi’ for the year 2017-18.

Lieutenant Colonel Reena Ojha project entitled ‘An exploratory study to assess the knowledge regarding sexual abuse among school going children studying in a selected school of metropolitan city’ during the year 2017-18.

Major Renjini Gopalakrishnan project entitled ‘An experimental study to assess the effectiveness of different maternal positions on materno-fetal biophysical parameters among mothers subjected to Non-stress test in a quaternary care centre at a metropolitan city’ during the year 2017-18.

Lieutenant Colonel Alka Thomas project entitled ‘An evaluatory study to assess the level of stress among primary caregivers of children with cerebral palsy attending quaternary care hospital in metropolitan city’ during the year 2017-18.

Lieutenant Colonel Alka Thomas project entitled ‘A cross-sectional study to assess the prevalence of burnout syndrome among nurses working in critical care units of a quaternary care hospital in a metropolitan city’ during the year 2017-18.

Seminar Organized

Seminar, 'Organ Transplant' delivered by Lt Col Sandhya P Nair, Organ Transplant Coordinator, AHRR and Capt Mercy, Critical Care Nursing Officer on 12 May 2017.

Seminar, 'Biomedical Waste Management' delivered by Major Jilmy Anu Jose, Associate Prof, College of Nursing, AHRR on 5 December 2017.

Seminar, 'Chemotherapy' delivered by Lt Col Dola Banerjee, Associate Prof, College of Nursing, AHRR on 23 January 2018.

Seminar, 'Open Heart Surgery' delivered by Lt Col Meenakshi, CVTS, AHRR on 27 February 2018.

Seminar, 'Tracheo-oesophageal fistula' delivered by Lt Col Suman Dhaka, Associate Prof, College of Nursing, AHRR on 13 March 2018.

Conferences Organized

Conference entitled 'Critical Care Nursing' funded by DGAFMS and organized during 18 to 19 August 2017.

Conference entitled 'BLS/ACLS' funded by Army Hospital (R&R) and organized during 6 to 8 January 2018.

Conference entitled 'Obstetric Emergency' was organized during 26 to 27 March 2018.

Seminar / Conference Presentations

Lt Col Ajita Datta Chaudhuri was the Moderator for the Panel discussion on "Palliative Care" during the "Indian Myeloma Congress" organized on 11 February 2018.

Placement details

All students after successful completion of four-year B.Sc. (Hons) Nursing course will be commissioned as Lieutenant in Military Nursing Service. The first batch of graduates will be commissioned after declaration of VIII semester result.

Extension and Outreach activities

The college organized a programme on "Save Girl Child" at PHC Ujwa in the month of March 2017. B.Sc. (Hons) Nursing IV year Cadets organized a "School Health" Programme at National Boys & Girls Govt High School, Dwarka in the month of April 2017. An awareness programme on "Beti Bchao, Beti Padhao" was organized at RHTC Najafgarh in the month of September 2017. A "School Health" program was also organized at the Senior Secondary School, Nangloi Sakravati in the month of September 2017. B.Sc. (Hons) Nursing IV year Cadets organized a programme on "Breast Cancer awareness" at Family Welfare Centre, AHRR in the month of October 2017.

Library Development

Total No of books in college library: 5000

Total number of books in Army Hospital (R&R) library: 10000

Faculty strength

Total number of permanent faculty = 15

Total number of ad-hoc faculty = 03

Financial Allocation and Utilization

Grant sanctioned : Rs 25,24,924/-

Grant utilized : Rs 25,24,924/-

Other Significant Information

College of Nursing Army Hospital (R&R) conducts six post basic Diploma specialty courses in Nursing along with B.Sc. (Hons) Nursing which are recognized by Indian Nursing Council. Hematology Nursing and Stem Cell Transplant courses and Post Basic Diploma in Burns Nursing is awaited for the approval of Indian Nursing Council.

COLLEGE OF VOCATIONAL STUDIES

Major Activities and Achievements

College of Vocational Studies is a constituent college of University of Delhi and has been serving the cause of vocational, management and conventional education since 1972. The college had been among the pioneer institutions in the country to offer vocational education, bridging the gap between traditional university education and the changing socio-economic environment. In addition to vocational courses the college offers honours courses in Commerce, Economics, History, Business Economics and Computer Science. College witnessed several achievements in the current academic year, highlights of which include 'Manthan' the Fashion society of the college secured first position in a Fashion Show organized by O.P. Jindal University and BITS and 'Drama Nomics' the Theatre group was the recipient of best production award at St. Stephens College among others.

Honours/Distinctions

College secured 73rd rank in National Institutional Ranking Framework (NIRF).

Dr Inder Jeet (Principal) nominated as a member to the Executive Council, University of Delhi.

Students with distinctions

Ms. Swati Jain of B.A. (Hons) Vocational Studies secured I position.

Publications

Jeet, I., Suman, S. (2017) Organisational Behaviour, Taxmann Publications Pvt. Ltd., New Delhi

Kumar, J.V. (2018) Aindrikta Aur Muktibodh criticism, Bhartiya Jnanpith, New Delhi.

Singh, D. (2017) Enhancement of Infrared Image with the use of Logarithm and Entropy Functions in the Frequency Domain. *International Journal of Scientific and Engineering Research (IJSER)*, VIII: 743-747.

Kumar. S. U. (2017) Satyagraha aur Hindi Upanayas, Swaraj Prakashan, New Delhi.

Research Projects

Project funded by University Grants Commission entitled 'A critical analysis of firm level innovation in India, National innovation systems and comparisons with China' for the period 2016-2018.

Seminar Organized

Seminar, 'Hindi Sahitya ka Adhyayan Kyon' delivered by Dr. Nirmala Jain, Dr. Nityanand Tiwari and Dr. Visvanath Tripathi on 20 August 2017.

Seminar, 'Rashtra Nirman Mein Hindi Ki Bhoomika' delivered by Dr. Ved Pratap Vaidik, Journalist on 18 September 2017.

Seminar, 'Pricing of Land' delivered by Dr. B.L. Pandit, Professor, University of Delhi on 2 November 2017.

Seminar, 'Contribution of the Greece to Philosophy, Mathematics, Astronomy and Medicine' delivered by Mr. Panos Kalogeropoulos, Ambassador, Greece and Ms. Aliki Koutsomitopoulou, first counsellor and deputy chief, Embassy of Greece on 24 October 2017.

Seminar, 'Sabad-2018' delivered by Sh. Arun Jaimini, Sh. Gajendra Priyanshu, and Ms. Ritu Goyal, Poets on 15 February 2018.

Seminar/Conference Presentations

Inder Jeet chaired a technical session during the National Conference on 'Paradigm shift from Developing to Developed India through Digitalization' organized by Maharaja Surajmal Institute, Guru Gobind Singh Indraprastha University on 29 July 2017.

Deepak Verma presented a paper entitled 'A study of monthly seasonality effect in the Indian stock markets' during the second International Conference organized by Centre for Management Studies, Jamia Millia Islamia University in 2017.

Dhananjaya Singh invited as a keynote speaker and presented his work entitled 'Employability based framework' in a workshop organized by AIACTR, New Delhi.

Placement details

Number and percentage of students placed : 200 (60% of the students willing for placement)

Number of companies visited for campus recruitment: 12

Number of companies visited for Internship:16

Extension and Outreach work:

Number of camps organized in the surrounding areas:03

Number of people enrolled/covered in the camps:100

Number of students who worked in the camps:50

College NSS unit organized following events "Vidhya Virta Abhiyan" on 2 May 2017 at National Media Center and "Swatchta Pakvada " from 1 to 15 August 2017. Workshop was also conducted in old age home on 15th September 2017.

Library Development

Books in stock - 55,664

Internet facilities were upgraded with fully wifi connectivity. Studnets were provided with laptops when need with available e-resources using INFLIBNET facilities. Faculty provided access with e-resources of UGC/INFLIBNET. Library subscribes national and international journals and many news-paper.

Faculty Strength

Total number of permanent faculty = 43

Total number of temporary faculty = 1

Total number of ad-hoc faculty = 73

Financial Allocation and Utilization:

Grant sanction: Rs. 20,90,50,765/-

Grant utilized: Rs. 19,11,29,806/-

Other significant information:

College organized three days Annual Cultural Fest, Tatwa. Hindi department of the college organized "Matribhasha Day" on 21 February, 2018. TEB – The Entrepreneurial Board of college organized Entrepreneurial Fest "NEGOCIO". Aaghaaz – The Women Development Cell of college organized different events such as: Umeed Ki Udaan, NDTV Talk Show, Queer Pride March, Rally on Holi, Study circle on Feminism.

DAULAT RAM COLLEGE**Major Activities and Achievement**

Daulat Ram College was accredited with 'A' grade by NAAC and has been awarded with 'Star College Status' by Department of Biotechnology, Government of India. Two new courses, namely, B. Sc. (Hons) Physics and B. A. (Hons) with Physical Education were introduced this academic year. The college infrastructure was upgraded with an introduction of a new Drosophila lab and Psychology resource centre. A Zebra Fish facility was also recently established. The administration section got its facelift too. The college received recognition during the 'Flower Show' held by University of Delhi. College waste is being converted into manure by the college's in-house built Recycling Unit. More than 100 kg paper was recycled by the Recycling Unit in 2017.

Honours/Distinctions

College was awarded with the 'Green Campus Award' by the search committee constituted by Women Agency for Generating Employment (WAGE).

College received an 'Award of Appreciation' for participation in the 'SAY NO TO DRUGS' awareness campaign by National Institute of Social Defense Ministry of Social Justice and Empowerment, Govt. of India.

Dr. Savita Roy (Principal) awarded with 'Sanskrit Samaradhaka Samman' from Delhi Sanskrit Academy for her support in the promotion of Sanskrit language.

The hostel garden secured second position in the 60th Delhi University Annual Flower Show organized in 2018.

Students with Distinctions

Ms. Diskit Chonzom Angmo of B.A. (Hons) English III year awarded with Prof. Madan Mohan Prasad Memorial Prize.

Ms. Tanushree Kashyap of M.A. (Prev.) Music secured I position in University of Delhi.

Ms. Iram Fatima of M.A. (Prev.) Psychology secured II position.

Ms. Cauveri Sharma of M.A. (Final) Psychology secured I position.

Ms. Perna Joshi of B.Sc. (Hons.) Zoology III year secured I position.

Publications

Chauhan, N. R., Kapoor, M., Singh, L., Gupta, R. K., Meena, R. C., Tulsawani, R., Nanda, S., Singh, S.B. (2017) Heat Stress induced Neuroinflammation and Aberration in Monoamine levels in Hypothalamus are associated with Temperature Dysregulation. *Neuroscience*, 358, 79-92.

Jyoti, A., Zhang, Z., Balakrishnan, B., Williams, M., Singh, S., Chugani, D.C., Kannan, S. (2017) Trajectory of inflammatory and microglial activation markers in the postnatal rabbit brain following intrauterine endotoxin exposure. *Neurobiol Dis.*, 111:153-162

Malhotra, P., Jain, A., Kathal, R. (2017) Review on biobased mesoporous material and their application in waste water treatment. *Current Trends in Biomedical Engineering and Biosciences*, 4(2): 555-635.

Mehta, S. (2017) Recent Scenario of Criminal Justice and Rehabilitation in India. *International Journal of Current Advanced Research (IJCAR)*, 6(8), 5557-5567. SJIF:5.995.

Rather, S.A., Subramaniam, S., Danda, S., Pandey, A.K. (2018) Discovery of two new species of Crotalaria (Leguminosae, Crotalariaeae) from Western Ghats, India. *PLoS ONE*, 13(2):192-226.

Sharma, K. V. (2017). The structure and semantics in Pāṇinian system of grammar. *International Journal of Sanskrit Research*, 3(4B), 104-108. ISSN: 2394-7519. Impact Factor (RJIF): 5.12.

Sharma, M., Nanda, S., Khanna, R., Khanna, P., Goyal, S. (2017) Quantification of Carbon Footprint and Handprint in the College Campus: A Peek into the Future. *International Journal of Innovative Research in Science, Engineering and Technology*, 6(4).

Sharma, P. (2017) Potential and Performance of FDI Inflows. *India International Journal of Trend in Scientific Research and Development (IJTSRD)*, 1(6): 2456-6470.

Yadav, N. (2018) Impact of our thoughts on Environment. *International Journal of Innovative Knowledge Concepts*, 6 (1): 163-164 (ISBN 2454-2415).

Journals

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board – 4

Seminars Organized

National seminar, 'Challenges before Media' was organized in collaboration with Indian Association of Mass Communication on 7 November 2017.

Conferences Organized

National Conference entitled 'Holistic Yoga: H3 (Health, Happiness and Harmony)' was organized on 10 to 11 November 2017

National Conference entitled 'Psychological Applications and Interventions: Reaching Out and Making a Difference' was organized on 18 to 19 January 2018.

National Conference entitled 'North East: The Untapped Tourism Industry' was organized on 15 to 16 March 2018.

National Conference entitled 'Model United Nations MUN' held during 31 March to 1 April 2018.

Seminars/ Conference Presentation

Deepti Bansal presented a paper entitled 'Bharatvarsha mein sangeet aur parvatana ki paraspar sambhavanayen' in an International Multi-Disciplinary Conference organised by Tourism & Historical Academy of Rajasthan at LBS (PG) College, Jaipur during the month of September 2017.

Bhattacharya presented a paper entitled, 'Globalisation and Decentralisation: Contextualising Development' at an International seminar organized by Kalindi College, University of Delhi from 19 to 20 January 2017.

Gautam and Gautam presented a paper entitled, 'Studies on Anther and Pollen Development in *Melilotus indicus* (L.)' at the 104th Indian Science Congress organized by ISCA at S.V. University Tirupati, Andhra Pradesh from 3 to 7 January 2017.

M. Jain presented a paper entitled, 'Nexus between Global Competitiveness and Economic Growth: With Exclusive Reference to India' by FIIB at 3rd International Management Conference on Inclusive Growth, Good Governance, Globalization and Green Future from 19 December 2017.

Tarang Kapoor presented a paper entitled, 'Capability Approach to Human Rights and Democracy' at the International Conference on "Human Rights and Gender Justice" held at Indian Society of International Law on 6 August 2017.

M. Khosla presented a paper entitled 'Morality, Culture and Health' at a seminar held at University of Paris Descartes, Paris France on 28 January 2017.

Monica Prabhakar presented a paper entitled, 'Self and Action in the Bhagavadgita' at the International Conference on "Self: Between Consciousness and Non Being" held at Hokkaido University, Sapporo, Japan, during 13 to 14 May 2017.

Rekha Kathal presented a poster entitled 'Phytoremediation of chromium from Yamuna water by Eichhornia' at the International Conference and outreach programme on "Environment and Ecology: Sustainability and Challenges (ENCON-2017)" organized by Sri Venkateswara College, University of Delhi on 4 to 6 January 2018.

Jyoti Sharma presented a paper entitled 'Tulsi sahitya ka sanskritik adhyayana' in the International seminar organized by PGDAV Evening College, New Delhi in collaboration with Kendriya Hindi Sansthan, MHRD, Bharat Sarkaar, New Delhi during 2 to 3 November 2017.

Kavita Sharma presented a paper entitled 'A Comparative study of Achievement Motivation in sports persons and Non-sports persons of Daulat Ram College' at the International Conference on Sports Medicine and Sports Sciences: SAICON 2017" held at Jawaharlal Nehru Stadium from 7 to 9 December 2017.

Kavita Sharma presented a paper entitled 'Goraksha: Svastha Manav Jeevan ki Vaidic Yojana' at the World Conference on the Vedas held at IGNCA, New Delhi during 15 to 17 December 2017.

National/ International MoU's Signed

MoU signed between Department of Biochemistry and Sanskriti Foundation to promote education and research.

MoU signed between DRC and National Institute of Immunology initiated to promote science.

MoU signed between DRC and Zoology Department, University of Delhi for promoting research activities.

MoU signed between Recycling Unit, DRC and Swalamban initiated to promote recycling of waste on campus.

MoU signed between DRC and Greenobin initiated to recycle paper waste off campus.

Placement Details

Number of students placed: 41

No. of companies visited the college: 6.

Library Development

1428 new books have been added.

Faculty Strength

Total number of faculty members = 188

Financial Allocation and Utilization

Sanctioned grant: Rs. 382,317,600/-

Grant utilized: Rs. 385,906,245/-

Other Significant Contribution

College introduced two new courses namely B.Sc. (Hons) Physics and B.A.(Programme) in Physical Education. Two new braille computers and one braille printer has been introduced in the library for the Visually Handicapped students.

DEEN DAYAL UPADHYAYA COLLEGE

Major Activities and Achievements

College achieved a unique distinction of being ranked 13th amongst the category of colleges by National Institutional Ranking Framework (NIRF) Survey - 2018 conducted by Ministry of Human Resource Development (MHRD) for the academic year 2017 - 2018. The college for the past six years has been consecutively ranked 8th/9th in Delhi and between 28 to 42 Pan India in a survey conducted by the India Today Group. The college is a proud recipient of DBT 'Star College Grant' for five departments of our college i.e. Botany, Zoology, Chemistry, Electronics and Mathematics. The year witnessed publications of 55 articles in International, National Journals and Periodicals. Three students have been awarded Ph.D. degree under the guidance college faculty. Two new certificate courses have been introduced, namely, German and Spanish. The pass percentage in the University Examination held in April – May 2017 was 96.6%. Students excelled in extracurricular and sports activities.

Honours/ Distinctions

Dr. Manoj Saxena elected as a Member of Board of Governors (2018-2020) of IEEE Electron Device Society, USA which has 11,000 members worldwide covering USA, Europe, Asia and Africa.

Dr. Dinesh Kumar awarded with A. Narsinga Rao Memorial Prize in September 2017.

Dr. Sudhir Verma awarded with Summer Research Fellowship-2017 from Science Academies (IASc-INSA-NASI) for undertaking research for 2 months at Goa University, Goa.

Dr. Charu Kalra awarded with 'Meritorious Teacher's Award' by Government of NCT of Delhi for the year 2016-17. The award comprises of a certificate and a cash prize of Rupees 1 Lakh.

Dr. Monika Bansal invited by United States Department for a three-week program 'Furthering the U.S. - India Relationship through Higher Education' from 19 March to 6 April 2018.

Students with Distinctions

Sneha of B. Sc. (Hons) Zoology II year secured I position in University Semester II Examinations.

Deepti Rawat of B.Sc. (Hons) Zoology III year, Deepika Pawar of B.Sc. (Hons) Zoology II year and Aryaditi Jena B.Sc. (Hons) Zoology II year were awarded with summer research fellowship by Indian Science Academies. Successfully completed summer internship and laboratory research experience from Centre for Science Education and Communication (CSEC), University of Delhi.

Aman Saini of B.A. (Hons) III year brought laurels to the college by securing 16th position in Archery World Cup, Berlin held from 8 to 13 August 2017; 3rd position in Indian Archery team Asia Cup Stage-2 World Ranking Archery Tournament, Manila Philippines held from 5 to 12 April 2018; two Gold medals and one Bronze medal in All India Inter University Archery Championship, KIIT, Bhubaneswar held from 25 to 29 December 2017; and 1st position in Inter College Tournaments of University of Delhi for the session 2017-18 in individual category of Archery Tournament.

Himanshu Sharma of B. Com. (Hons) III year secured II position, Vishakha Sharma of B.Sc. (Hons.) Zoology II Year and Vinod Yadav of B.Com. (Hons) II year secured III position in Delhi State Fencing Competition.

Publications

Ajay, R., Narang, M., Saxena, M., Gupta. (2017) Modeling and Simulation Investigation of Sensitivity of Symmetric Split Gate Junctionless FET for Biosensing Application. *IEEE Sensors Journal*. Vol. 17 (15): pp. 4853-4861, doi: 10.1109/JSEN.2017.2716102

- Bhatia, V., Bhattacharya, R. (2018) Host mediated silencing of cuticular protein gene impaired fecundity in green peach aphid *Myzus persicae*. *Pest Management Science*, Wiley Online Library, doi: 10.1002/ps.4900
- Das, P., Kumar, P., Kumar, K.M., Solanki R., Kapur M.K. (2017) Bioprospecting Xylanase Enzymes from Diverse Ecological Habitats. *International Research Journal of Natural and Applied Sciences*. 4:328-362.
- Goyal, A., Khatria, I., Singh, A.K., Sharma, R., Mohan, M. (2017) X-ray diffraction patterns and diffracted intensity of $K\alpha$ spectral lines of He like ions. *Radiation Physics and Chemistry*, 138: 16-21.
- Jain, H.C., Tiwari, H.N. (2017). Basics of Computer Application in Business. *Taxmann Publications*, Delhi, ISBN 9789386635334.
- Mehra, Y.S. (2017) Study of Monetary Policy Transmission Mechanism in Developed and Developing Countries. *Asian Journal of Research in Business Economics and Management*, 7(5):1-18.
- Mehra, Y. S. (2017) Awareness of Risk Management Practices System in Indian Commercial Banks – A Perception based Analysis. *Asian Journal of Research in Business and Finance*. 7(5):1-12.
- Narang, R., Saxena, M., Gupta, M. (2017) Analytical Model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 4(4): 1742 - 1750, doi: 10.1109/TED.2017.2668520.
- Kapoor, S.V. (2017) Introductory Macro Economics. *Taxmann Publications Pvt. Ltd.*, ISBN : 9789386882592.
- Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Nayyar, N., Puri, A., Singh, Y., Khurana, J.P., Lal, R. (2017) Genome Organization of *Sphingobium indicum* B90A: An Archetypal Hexachlorocyclohexane (HCH) degrading genotype. *Genome Biology and Evolution*. 9(9): 2191–2197.

Research Projects

- Dr. Jyoti, project funded by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Departments entitled ‘Solution-based synthesis of graphene quantum dots and study of the photoluminescent emission property’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.
- Dr. Kapil Bohra, project sanctioned by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Department entitled ‘Facile Access to Nucleobase modified Nucleosides Via Diels-Alder Reaction’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.
- Dr. Sunny Manohar, project sanctioned by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Departments entitled ‘Magnetically Active Ionic Liquids: Design, Synthesis and their Application in Organic Transformations’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.

Patents Filed/ Granted

- Dr. Sunny Manohar co-authored an Indian patent.
- Diwan S. Rawat, Sunny Manohar, Ummadisetty Chinna Rajesh “Aminoquinoline based hybrids and uses thereof” Indian Patent Application 661/DEL/2012 (Patent No. 283657; Date of Certificate Issue: May 29, 2017).
- Dr. Sunny Manohar co-authored a US patent.
- Diwan S. Rawat, Sunny Manohar, Ummadisetty Chinna Rajesh, Deepak Kumar, Anuj Thakur, Mohit Tripathi, Panyala Linga Reddy, Shamseer Kulangara Kandi, Satyapavan Vardhineni, Kwang-Soo Kim, and Chun-Hyung Kim; “Aminoquinoline derivatives and uses thereof”; United States Patent US9567316B2 (2017).

Seminars Organized

- UGC Sponsored National Seminar, ‘A Trend Towards Machine Learning: Techniques and Applications’ organized from 26 December 2017 to 01 January 2018.
- National Seminar sponsored by ICSSR, ‘Contemporary Strategies for Sustainable Development: Marketing and HR’ organized on 10 November 2017.
- Seminar, “Women in Science Panel: A Career in Science”, Indian Academy of Sciences supported Second Lecture held during 10 and 11 August 2017.
- Seminar, DST sponsored ‘Trans-disciplinary Areas of Research and Teaching by Shanti Swarup Bhatnagar Awardees’ held during 15 and 16 September 2017.
- National Seminar, ‘Indian Political Thought’ organized during 26 October 2017.

Seminar/ Conference Presentations

Ankit Rajpal presented paper entitled 'Fast digital watermarking of uncompressed colored images using bidirectional extreme learning machine' at the "International Joint Conference on Neural Networks" held at Alaska, USA from 14 to 19 May 2017.

Rakesh Kumar presented a paper entitled 'Dynamic Linkages of Indian stock market with the world equity market-An empirical study' at the National conference organized by Galgotia University, Greater Noida during 27 and 28 April 2017.

Rakesh Kumar presented a paper titled 'Risk, Uncertainty and Stock Returns of Emerging Equity Markets' at the 14th International Conference on "Developments in Economic Theory and Policy jointly organized by University Del Pais Vasco, Spain and University of Cambridge UK during 29 and 30 June 2017.

R.M. Bharadwaj presented a paper entitled 'Religious Ethics in Deed: Revisiting the Welfare Centric Projects of Four Buddhist Emperors in South and South-east Asia between the 3rd Century B.C.E. – 12th Century C.E' at the International Conference on "Buddhism: Traditions, Ideologies and Dissent" at the School of Buddhist Studies and Civilization, Gautam Buddha University, Greater Noida, UP held on 7 to 9 September 2017.

Manoj Saxena presented a paper entitled 'Fundamental Insights into Channel and Gate Engineered Double Gate Junction-Less Transistor for Low-Voltage Low-Power Analog and Digital Circuits' during the DAICT conference organized by ED/SSC Gujarat, India on 14 April 2017.

Manoj Saxena presented a paper entitled 'Research opportunities in Electron Devices' in the "CAS/EDS Research Forum" organized by IEEE Joint chapter of CAS/ED Societies, Hyderabad Section on 02 July 2017.

Manoj Saxena presented a paper entitled 'Modeling and simulation of Gate Electrode Engineered Double Gate Junctionless Transistor' at the "IEEE MQ" conference organized by Heritage Institute of Technology, Kolkata on 21 July 2017.

Chimat Ladol presented a paper entitled 'An Ever-Missing Human Security: A case of the Palestinians' during the 7th Istanbul "Human Security Conference", held at Istanbul, Turkey from 18 to 20 October 2017.

Varnika Bhatia presented a paper entitled 'Assessment and conservation of Indian Ephedra species through DNA barcoding: a review' during the XXVII "Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges" organized by Department of Botany, University of Delhi from 10 to 12 November 2017.

S. Kumar presented a paper entitled 'Agro-morphological Study on Induced Mutants and Mutant Hybrids in Lentil (*Lens culinaris* Medik' during the XXXX All India Botanical Conference & National Symposium on "Evaluation and Conservation of Plant Germplasm" held at Punjabi University, Patiala from 15 to 17 September 2017.

National/ International MoUs Signed

In order to organize Faculty Development Programs for teachers on cutting edge technologies, the college has signed a MoU with ICT Academy, a non-profit Government supported organization.

Placement Details

Number of students placed = 70

Number of companies visited the campus = 5

Extension and Outreach Activities

Ten NSS volunteers of the college participated in the second International Day of Yoga organized by NSS center, University of Delhi, and welcomed the Queen of Thailand and foreign dignitaries on 17 July 2017. Further, NSS unit organised a Blood Donation Camp in collaboration with Red Cross Society in the college premises and a total of 121 blood units were collected on 14 September 2017. In collaboration with the Chief Electoral Officer, a special camp was organized under the special summary revision of the Electoral Roll for inclusion of eligible young citizens in the voter list. Activities such as craft making for differently abled and swachta awareness were carried out in collaboration with organisations like Masoom Duniya. On the occasion of 'National Girl Child Day', office of the District Magistrate/Dy. Commissioner, South West Delhi organized a panel discussion with eminent personalities.

Library Development

The college library is fully air-conditioned and spread over three floors. Library has an up-to-date bibliographic database of books and journals. The library has a total collection of 44629 volumes of text-books and reference books. 70 journals and different magazines of national and international repute in all the relevant subject areas have been subscribed. It has 613 bound volumes of journals and 834 CDs in its collection. The library also provides book-bank facility to students belonging to SC/ST/OBC categories and other economically poor and meritorious students of the college. Through the university dedicated fiber-optic link, the library has access to as many as 50,000 subscribed e-journals and more than 2 lakh e-books. The entire college campus including the library and the hostels are wi-fi enabled to provide 24x7 seamless access to information remotely from anywhere in the campus.

Faculty Strength

Total number of permanent faculty = 93

Total number of ad-hoc faculty = 26 + 2 (against leave vacancy)

Financial Allocation and Utilization

Grant sanctioned: Rs. 35,38,36,733/-

Grant utilized: Rs. 29,90,99,208/-

Other Significant Information

To inculcate nationalism and cultural awareness among our students, an audio-visual presentation on the Culture and Tourism of Sikkim was organized on 22 January 2018 under the “Ek Bharat Shrestha Bharat Program” of Government of India. The rich cultural heritage and lifestyle of one of the most prosperous state of north-east India was depicted through various dance forms of Sikkim such as Maruni dance, Bhutanese dance and Ranka dance. The program was also aired on DD National under the flagship of ‘Good Evening India’ on 5 February 2018.

DELHI COLLEGE OF ARTS AND COMMERCE

Major Activities and Achievements

College observed its International Yoga Day on 21 June 2017. Birth anniversary of ‘Father of the Nation’, Mahatma Gandhi was commemorated as ‘Swachh Bharat Abhiyaan’ with a marathon cleanliness drive being organized in the campus. Several academic and cultural activities were also organized during the occasion. Birth anniversary of Swami Vivekananda was also celebrated as ‘National Youth Day’. A lecture was delivered by Mr. Manas Bhattacharya of Vivekananda Foundation, New Delhi on the occasion. 127th birth anniversary of Bharat Ratna, ‘Dr. B.R. Ambedkar’ was marked with a lecture of Prof. Pramod Kumar of IGNOU, New Delhi. Students attended a lecture of the Honourable President of Germany. Dr. Anita successfully completed her Ph.D. program and was awarded her degree by University of Delhi. Two Ph. D. students are working towards their Ph.D. program under the supervision of Dr V. B. Singh.

Honours/Distinctions

Dr. Deepti Taneja received the “Most Admired Teacher Award” by the Worldwide Achievers Pvt. Ltd. on 27 March 2018 for the outstanding contribution in the Education Sector.

Ms. Renu Sharma awarded with a scholarship by University Wuppertal of Germany under the programme “GIP” (Germanischen Institut Partnerschaft) funded by DAAD.

Students with Distinctions

Mr. Shourya Pratap Rathee represented the college and University of Delhi at the World University games held at Taipei, (Chinese Taipei) from 19 to 30 August 2017.

Mr. Kunal Sejwal, Mr. Bhupender Bhargwava and Mr. Sumit Parashar secured different positions in 5th South Asian Judo Game 2018 held at district sports centre, Kanchanpur, Nepal from 29 to 31 January 2018.

Publications

Bharti S. (2018) Canadian Indigenous Women's Civil and Political Rights: Prospects and Challenges *Human Rights: International Research Journal* 6:161-164

Garg, A. (2017) E-entrepreneurship in Indian education sector. The Next Big Thing'. *Journal of IPEM*, 11:15-45.

Kapoor, N. (2018) Personal Selling and Salesmanship, *Pinnacle Learning*, New Delhi, (ISBN: 938-38-4842-1)

Mahapatra, A. (2017) (Co-edited and partly translated) Natabar Odia Literary Criticism Sahitya Akademi. *Natabara Samantaray: A Reader*. New Delhi, Sahitya Akademi (ISBN 978-81-260-5340-7)

Saksena, S., Deb, M. (2017) Economic Growth and Human Development in Indian States after two decades of Economic Reforms. *Indian Journal of Economics and Development* 13(2):269-280

Sharma, DAP. (2017) BHARTEEY SAHITYA (Hindi), Sahitya Academy (Academy of Letters), India *उन्मुक्तगगनकेकवि: शिवमंगलसिंहसुमन*. 193:11-18.

Sharma, DAP. (2017) Promoting Culture of Tolerance and Peace: the Role of International Literature in University Curriculum Annual academic international conference of International. *Association for Silk Road Studies University of Humanities & Social Sciences, Ho Chi Minh City Viet Nam*.

Singh, B. (2017) SDGs and decent work agenda: A Path for inclusive growth in India. *Review of Professional Management*, X 15(1):12-36.

Singh, V. B., Sharma, M., Tandon, A., Kumari, M. (2017) Reduction of Redundant Rules in Association Rule Mining-Based Bug Assignment. *International Journal of Reliability, Quality and Safety Engineering*, 24(06):14-16.

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board = 2

Research Projects

Mr Bir Singh, project funded by National Coalition for Education, entitled 'A study on Funding Public Education in India' from August to December 2017 for Rs. 15,000.

Seminars Organized

Faculty Development Programme organized by the Department of English on 'Autobiography' in collaboration with the English Department, University of Delhi on 10 November 2011.

Seminar, 'Dissensio' organized on 14 March 2018.

Seminar/Conference Presentations

Neeru Kapoor presented a paper entitled, 'Mobile Application Based Shopping in India: Factors and Variables Guiding its Growth' at the 6th Annual "International Commerce Conference 2018", organised by the Department of Commerce, Delhi School of Economics, University of Delhi, from 11 to 12 January 2018.

Neelam Yadav presented a paper entitled 'Dervla Murphy's Full Tilt from Ireland to India with a Bicycle: Contesting the Myths of Travel Writing', at an International Conference organised by OP Jindal Global University on 24 and 25 January 2018.

Animesh Mahapatra presented a paper entitled "Intercultural Genealogies: A Study of an Early Multilingual Comparatist" at an international conference on "Purifying the Dialect of the Tribe: Cross-cultural Concerns in Colonial and Postcolonial India" organized by IIAS, Shimla from 17 to 19 May 2017.

Santosh Bharti presented a paper entitled 'Canadian Indigenous Women's Civil and Political Rights: Prospects and Challenges' at the International Conference on "Human Rights, Gender Studies, Law and Social Sciences", organized by International Multidisciplinary Research Foundation, Chandigarh from 22 to 24 February 2018.

Shalini Saksena presented a paper entitled, 'Trends and Determinants of Employment Intensity in the Indian Food Processing Industry Conference on Economic Theory and Policy' held at Ambedkar University, Delhi, from 09 to 10 March 2018.

Navneet Manchanda presented a paper entitled, 'Changing Priorities from Health Care to Health Cover: A Boon or Boondoggle for the Poor in India' in the annual meeting organized by Population Association of America, Denver, Colorado, USA, from 22 to 26 April 2018.

Tamanna Khosla presented a paper entitled, 'The issues of social justice in higher education: A feminist perspective' during the 9th international Conference organized by Munshi Raghunandan Prasad Sardar Patel Mahila PG College Barabanki, UP in collaboration South Asia Management Association from 27 to 29 January 2018.

Placement Details

Number and percentage of students placed = 201 (38%)

Number of companies visited campus for recruitment = 10

Extension and Outreach Activities

Cleanliness drive in the college campus, an awareness drive on the importance of cleanliness and hygiene in the slum adjoining ARD Enclave and N.P Primary School Netaji Nagar were the activities conducted in August 2017. Aiming at improving knowledge and to impart education to the underprivileged kids around the college through project 'TanZeal' was launched.

Library Development

Library has a collection of about 58,407 books, 30 magazines and journals and 15 newspapers. Subscription for N-LIST & DELNET membership to access e-resources was successful. E- library to access e- resources through N-LIST & DELNET membership was established. Library updated its version of NETTLIB with WEB OPAC (LIBWARE). Access to the library is now also available for the students and teachers through WEB OPAC. Screen display was also installed for the students in order to check the issue/return transition of books. A book-bank facility for economically weaker section of the students was established.

Faculty Strength

Total number of faculty = 93

Financial Allocation and Utilization

Grant sanctioned: Rs. 26,10,25,000.00/-

Grant utilized: Rs. 21,14,69,000.00/-

Other Significant Information

In collaboration with Mahila Aayog of Delhi Police, a self defence workshop was organised on 24 October 2017 to sensitize girls to safeguard themselves. NSS Unit of the college, in collaboration with Grapevine, organized a panel-discussion on "Gender Based Violence" on 17 September 2017. Bhatia, a life coach; Dr. Surabhi Dhingra, the President of Poschea and Mr. Onkar, a social entrepreneur. In association with 'WOMANITE', the NSS unit organized a special lecture of an eminent scholar and activist, Ms. Kamla Bhasin, entitled 'Motivating the Youth to change the Patriarchal System' on 12 April 2018.

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Major activities and achievement

The college faculty were actively involved in research and teaching and have several publications to their credit. Events such as Pharmacist Day, Saraswati Puja, Sports Day, Freshers Day, Teacher's Day, Annual Day and Independence Day along with industrial tours, conferences, workshops were organized throughout the year. These gave an insight to the students for their overall growth.

Honours /Distinctions

The college was ranked 19 out of 286 entries in Pharmacy by National Institutional Ranking Framework (NIRF) MHRD, Government of India and was placed at the 12th position as per graduation outcome and 11th in Public Perception

Awarded with 'The Best Pharmacy College' in India by Centre for Education Growth and Research

DIPSAR was aired live on 'DD National Channel' during the "National Pharmacy Week".

Student distinctions

Ms. Himanshi Prashar received the “Fbb colors Femina Miss India” award during 2018 in Uttar Pradesh.

Mr. Pankaj Gupta secured all-India 11 rank in GPAT-2018. A total of 49 students could clear their GPAT 2018 from DIPSAR.

Ms. Pooja Pithambaran of B. Pharm. IV year, got selected in the cultural team by the cultural council of University of Delhi and represented DIPSAR at the prestigious Edinburgh Fringe Festival.

Publications

Agarwal, U., Pathak, D.P., Bhutani, R., Kapoor, G., Ravikant, S. (2017) *Camellia sinensis* – Nature’s Gift. *International Journal of Pharmacognosy and Phytochemical Research*. 9: 1119-1126.

Anand, K., Wakode, S. (2017) Development of drugs based on Benzimidazole Heterocycle: Recent advancement and insights. *International Journal of Chemical Studies*. 5: 350-362.

Bajaj, S., Wakode, S. (2017) Pharmacognostical evaluation and anthelmintic activity of *Swertia alata* Royle. *International Journal of Pharmaceutical Sciences and Research*. 8: 3315-3324.

Chauhan, M.K., Yadav, R.P. (2017) A Review: Chitosan as 3D matrix for tissue engineering, *International Journal of Research in Pharmacy and Pharmaceutical Sciences* 2: 66-69.

Latha, S., Chaudhary, S., Ray, S.R. (2017) Hydroalcoholic extract of *Stevia rebaudiana* leaves and stevioside ameliorates lipopolysaccharide induced acute liver injury in rats. *Biomed Pharmacother*. 95:1040-50.

Nawaj, S., Bodla, R., Kant, R., Singh, S.P., Bhutani, R., Kapoor, G. (2017) Fluoroquinolone as antimicrobial agent: A Review. *Int. Journal of Pharmaceutical Science and Research*. 2:57-63.

Parle, A., Singh, G. (2017) Synthesis, Characterization and Biological Evaluation of Novel Isonicotinic Acid Hydrazide Derivatives. *European Journal of Biotechnology and Bioscience*. 5(3): 21-27.

Soni, D., Gupta, S.K. (2017) Cardioprotective Effects of Rutin via alteration in CK-MB and TNF- α Levels Coupled with antioxidant Effect in Isoproterenol Induced Myocardial Necrosis in Rats. *Indian Journal of Pharmaceutical Science & Research* 7:12-17.

Vishnoi, H., Bodla, R., Kant, R. (2018) Green tea (*Camellia Sinensis*) and its antioxidant property: a review. *International Journal of Pharmacognosy*. 1:123-135.

Wakode, S., Tonk., R. K. (2018) *Feronia Limonia*- A Wonder Drug. *Amin H, World Journal of Pharmacy and Pharmaceutical Sciences*. 6: 1982-1994.

Research Projects

Dr. Rajani Mathur project funded by ICMR entitled ‘Impact of EMF radiation from mobile handsets on brain glucose transporters: an experimental study’ during 2017-2020 for Rs 34 lakhs.

Dr. S.K. Gupta and Dr. Rajani Mathur, project funded by Novartis entitled ‘Role of DPP-4 inhibitor in the management of Cardiomyopathy in streptozotocin induced experimental diabetes’ during 2017-2019 for Rs 20.5 lakhs.

Dr. Rajani Mathur, project funded by DBT entitled ‘To study the Intestinal Fructose Transport (via GLUT2) & GLUT5 transporters in Rodent Model of Fructose Induced Childhood-Overweight/Obesity and Investigate the Preventive Potential of Medicinal Plants Therein’ during 2014-2017 for Rs 38 lakhs.

Dr. Meenakshi Chauhan, project funded by DST entitled ‘Rivastigmine loaded NLC integrated scaffold for Parkinson and Alzheimer associated Dementia’ during 2015-2018 for Rs 20.54 lakhs.

Patents Filed/granted: Two filed (Indian Patent Office)

Patent entitled, ‘Novel Pyrazinoyl Carbohydrazide derivatives, process for the preparation and uses thereof’ of Ms. Ruchita, Dr. Sanju Nanda, Dr. Dharampal Pathak with Patent Application No. 201711016325A and Publication Date: 02/06/2017.

Patent entitled, ‘A multilayered Decontamination Composition. Inventors’ of Dr. Navneet Sharma, Dr. Bhupendra Singh Butola, Dr. Dharampal Pathak, Dr. Mitra Basu, Dr. Himanshu Ojha, Dr. Rakesh Kumar Sharma with Patent Application No. 201711037099.

Conference Organized

International Conference entitled 'Challenges for Global Competitiveness of AYUSH and Natural Products and IASTAM Oration & Award Function 2018' was organized in collaboration with DPSRU.

Seminar/Conference presentations

MK Chauhan presented a paper entitled 'Clomipramine and Venlafaxine Multilayered Matrix Tablets in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

Chauhan presented a paper entitled 'Emerging trends of Nanotechnology in Health Care System in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

MA Singh presented a paper at National Seminar entitled 'Nanomedicine and Nanotechnology in Health Care' held at Apeejay Satya University, Gurugram on 17 February 2018.

Jayachandran Nair presented a paper entitled 'Simultaneous HPTLC determination of Rutin, Quercetin and Gallic Acid from medicinal plants' at the "International Conference on Challenges for Global Competitiveness of AYUSH and natural products at the IASTAM oration and award function at DPSRU, New Delhi held from 2 to 4 February 2018.

S Khurana presented a paper entitled 'Emerging trends in Transdermal Drug Delivery Systems in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

R Mathur presented a paper entitled "Butanol fraction of hydroalcoholic extract of leaves of *Aegle marmelos* fares better than Metformin, Pioglitazone or Rutin in ameliorating fructose induced insulin resistance in HepG2 cells" at the 63rd Annual National conference of Association of Physiologists and Pharmacologists of India, at JIPMER, Puducherry from 12 to 14 October 2017.

PK Sharma, presented a paper entitled, 'Deciphering the role of Rivastigmine scaffolds' for Parkinsonism dementia, during the "22nd Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON)" held at Lloyd Institute of Management & Technology, Noida on 24 March 2018.

PK Sharma presented a paper entitled 'Exploring Integrated Topical Scaffold Patch System' during the "Recent Advances in Pharmaceutical Sciences and Health" organized by Jamia Hamdard, New Delhi on 26 February 2018.

PK Sharma presented a paper entitled 'Nanomedicine and Nanotechnology in Health Care' during a National Seminar organized by Apeejay Satya University, Gurugram on 17 February 2018.

A Parle presented a paper entitled 'Synthesis, Characterization and Evaluation of Novel 2-Aryl Benzothiazole Derivatives as Potential Antifungal Agents' in "APTICON" held at LOYYD institute of pharmacy, NOIDA on 24 March 2018.

Placement details

Number & percentage of students placed: 25 (80% placed among students enrolled for placements, other students opted for higher studies)

No of companies visited for placement: 25

Extension and outreach activity

A 'Pulse Polio Immunization Programme' was organised during the academic session.

Number of Ph.D. awarded

03 provisionally awarded

Faculty Strength

Number of Permanent faculty = 11

Number of Contractual appointments = 04

DESHBANDHU COLLEGE

Major activities and achievements

Students of the college represented World University Games 2017 in archery and weight-lifting and the team could win the inter-college weight-lifting championship for the year 2017-18. The college team secured III position in the yoga competition organised by DUSC. Students of the college were recipients of 33 golds, 28 silver and 35 bronze medals in various state and national games meet during the academic meets 2017-18. In the field of sciences and humanities, several faculty members received prestigious fellowships, honours and recognitions. Dr. Dharmendra Kumar Mallick was selected as ‘*Plantae Fellow*’ (2017-18) by the prestigious American Association of Plant Biology (ASPB) and also been nominated as a member of “Botanical Society of America”. Dr. I. K. Singh is conferred upon “Best Researcher Awards 2017” for outstanding contribution in research from ‘Grace India Educational Charitable Trust’.

Honours/Distinctions

Dr. Arati Barua conferred upon “Mother Teresa Global Award for excellence” by the India International Friendship Society (IIFS) in the year 2017. She was also selected as a member of International Network for Women Philosophers, sponsored by UNESCO.

Dr. Dharmendra Kumar Mallick selected as a “*Plantae Fellow* (2017-18)” of prestigious American Association of Plant Biology (ASPB) and nominated as a member of prestigious Botanical Society of America.

Dr I. K Singh conferred upon “Best Researcher Awards 2017” for outstanding contribution to research from Grace India Educational Charitable Trust New Delhi.

Dr. Krishnan Unni P. delivered prestigious P.K. Rajan Memorial Lecture at the Senate Hall, Thiruvananthapuram on 5 July 2017.

Students with Distinctions

Mr. Kamal Sagar represented at the World University Games 2017 in Archery.

Mr. Siddhant Shukla, Mr. Ravi Kumar and Mr. Joseph received gold medal at Delhi state archery contest in various categories.

SUO Varun Pratap Singh represented Indian delegation to Kazakhstan. He was also commended by the DGNCC Lt. Gen Vinod Vashisht for his exemplary performance.

CHM Harish Singh Mehta represented Indian delegation to Sri Lanka.

CDT Rajneesh received bronze medal in the All India ThalSainik Camp 2017.

Publications

Krishnan, P. (2017) Addressing the Nation State and Unseen Passages in Arundhati Roy’s *The Ministry of Utmost Happiness*. *Journal of Literature and Aesthetics*. 17(1):7-20.

Kayesth, S., Shazad, M., Kumar, S., Gupta, K. K. (2017) Effect of ethanol extract of *Catharanthus roseus*, *Ocimum sanctum* and *Lantana camara* on fecundity and fertility of red cotton bug, *Dysdercus koenigii* fabricius (heteroptera: pyrrhocoridae). *Journal of Entomology and Zoology Studies*. 5(4): 348-353.

Nadeem, A. (2017) Health shock, catastrophic expenditure and its consequences on welfare of the household engaged in informal sector. *Journal of Public Health*. 25(6): 611–624

Nadeem, A. (2017) Degree and Pattern of Regional Heterogeneity in Child health: a Principal Component Analysis Approach. *International Journal of Socio-legal Analysis and Rural Development*. (3): 2455-4049.

Pathak, N., Prajneshu, M., Kumar, L., Ramlal, A. (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. *DU Journal of Undergraduate Research and Innovation*. 3(1): 50-56.

Sharma, R.K., Sharma, S. (2017) Seed longevity, germination and seedling vigour of *Rheum australe* D. Don.: A step towards conservation and cultivation. *Journal of Applied Research on Medicinal and Aromatic Plants*. 5(1): 47-52.

Singh, A., Singh, I. K. (2018) *Molecular Aspects of Plant Pathogen*” (ISBN 978-981-10-7371-7)

Yadav, N., Pandey, A. K., Bhatnagar, A. K. (2017) Temperature regulated seed germination in *Acer oblongum* Wall. Ex DC. (Sapindaceae) – A threatened Himalayan species. *Pleione*. 11(1): 10-15.

Seminars organized

Seminar, 'Dream to Achieve - Victory over Cancer' delivered by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi, South Campus on 27 March 2017.

Seminar, 'Introduction of Epigenetics and Human Diseases' delivered by Dr. Ashok Sharma, Assistant Professor and Faculty-in-Charge, Division of Neurobiochemistry, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi on 25 October, 2017.

Seminar, 'Importance of Conducting Polymers' delivered by Dr. S.K. Dhawan at "Resonance 2017" on 14th September 2017.

Seminar, 'GST-An enriching session on the newly introduced tax reform' delivered by Prof O.P Sharma, Director at ICFAI Business School in the month of November 2017.

Seminar/Conference Presentations

Ranjana Seth presented a paper entitled 'Sperm behavior as a key tool ensuring operative efficiency of radio-genetic [F_1 Sterility technique] for population suppression of an economically serious Indian pest, *Spodopteralitura* (Fabr.) (Lepidoptera: Noctuidae) in lab and field simulated cages' at 3rd FAO-IAEA International Conference on "Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques" held at Vienna, Austria from 22 to 26 May 2017.

Mohd Shazad presented a paper entitled 'An eco-friendly approach for the management of *Aedes aegypti* by *Ocimum sanctum*' at the "19th International Conference of Entomology 2017", held at Paris, France from 19 to 20 October 2017.

K. K. Gupta presented a paper entitled 'Bioefficacy of *Catharanthus roseus* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae)' at the 19th "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Varsha Baweja presented a research paper entitled 'Interaction of *Steinernemaglaserei*, an entomopathogenic nematode with a predatory fungus *Arthrobotrys superba* on different nutrient media' at the 19th "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Pavitra Sharma presented a research paper entitled 'Influence of temperature on the development and feeding activity of southern green stink bug *Nezara viridula* (Heteroptera: Pentatomidae)' at the 19th "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Nadeem Ahmed presented a paper entitled 'Health Shock and its effects on Welfare of the Household' at an International Seminar on "New Paradigm of Economic Development: social and environmental dimension" organized by DAAD, Germany held at JNU, from 4 to 8 December 2017.

Placements Details

Number of percentage of students placed: 80%

Number of companies visited for campus recruitment: 17

Extension and outreach Activities

Cleanliness Drive and Workshop on Vector Borne Disease Control was organised by NSS unit. A self defence programme was also organised by NSS unit for girls. A workshop on "road safety" was also organised to provide physical training to the volunteers about the know-how of managing victims of a road accident.

Library Developments

Library organised orientation programme for new batch of students at the start of the academic session. College library received 'BEST MANAGED LIBRARY AWARD 2017' by the Confederation of Indian Universities, Indian Institute of Ecology and Environment and National Institute of Cleanliness Education and Research. Library upgraded with LSEase library software and OPAC from LSEase LMS to Web Centric LSEase (EJB) LMS. 2346 new books were added in the library collection.

Faculty strength

Number of permanent faculty = 121

Number of ad-hoc faculty = 83

Financial allocation and Utilization:

Grants Sanctioned: Rs. 58.00 Crores

Grants Utilized: Rs. 42.85 Crores

Dr. BHIM RAO AMBEDKAR COLLEGE

Major Activities and Achievements

College was selected as a premier regional-cum-study centre to facilitate undergraduate teaching for School of Open Learning (SOL) students and also for girl students of Non-Collegiate Women's Education Board (NCWEB), University of Delhi. The college in collaboration with North-East District Administration of GNCTD organized an awareness programme under Digital India initiative. 'Best Field Worker Award 2017' was introduced this year by the Department of Social Work. College constantly encourages students to generate innovative ideas and also towards entrepreneurial initiatives. The college in association with the All India Women's Education Fund Association (AIWEFA) organized a workshop on 'Cyber Security' in relation to virtual world and also organized an awareness programme on understanding the distinct ethnic and regional cultural identities of people particularly from the north-east area collaboration with DLSA (Shahdara).

Students with Distinctions

Mr Shubham Shrivastav received 1st prize in Master of Ceremonies Competition.

Mr. Jawan Singh participated in National Integration Camp at Rajkot (Gujarat) from 24 August 2017 to 4 September 2017.

Mr. Prashant Bharti participated in the CATC-I from 14 to 23 October 2017 and got selected as a best shooter during the firing competition that was held at the camp.

Mr. Akshay Kumar Gautam, CDT Manish Kumar and CDT Akashy Kumar got selected in P.M. RALLY.

Publications

Das, B.M. (2017) Researching critical reflection: Multidisciplinary perspectives, *Journal of Social Work*. 17:626-629.

Das, B.M. (2017) Revisiting Eight Decades of Social Work Education in India, *Asian Social Work and Policy Review*. 11:66-75.

Dwivedi, R.P. (2017) Portrayal of Environment in Cinema: A Comparative Study of 'Patherpanchali' & 'Dreams'. *International Journal of Humanities and Social Science Research*. 3:45-48.

Kumar, N. (2017) Self-esteem and its impact on performance. *Indian Journal of Positive Psychology*. 3:19-22.

Manish, K. (2017) Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *Journal of Plant Research*. 130; 829-844.

Prasad, R. (2017) Flood Occurrences in Lower Gandak River Basin and its Estimation at Lalganj, Dumariaghat and Tribeni in Bihar. *The Horizon: A Journal Social Sciences*. 2:33 - 49.

Bhardwaj, T. (2017) Non-pharmacological interventions for management of fatigue among children with cancer: systematic review of existing practices and their effectiveness, *BMJ Supportive & Palliative Care*. 7:404-414.

Ravi, R.S. (2017) Psycho-Social precipitants to protest: A social identity perspective, *International Journal of Academic Research and Development*. 2:1-5

Journals

Published by the College: One, namely, Academia

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 03

Seminars Organized

Seminar, 'Autonomy of Education: Challenges and Solutions' held at the Convention Centre, Jawaharlal Nehru University, New-Delhi on 23 and 24 February 2018.

Seminar, 'Indian Social Work: Scope and Challenges' held at Dr. Bhim Rao Ambedkar College, on 14 and 15 March 2018.

Conferences Organized

10th International Conference entitled 'Strategies for Promoting Inclusive Development' in collaboration with South Asian Management Association held at V.B.Patel Chest Institute, University of Delhi during 17 and 18 March 2018.

Seminar/Conference presentations

Rakesh Shahani, co-presented a paper entitled 'Co-Movement Dynamics of the stock index returns of the BRICS nations: An Empirical Investigation' during the "2nd International Finance Conference" held at Centre for Management Studies, Jamia Millia Islamia held on 11 October 2017.

R.N. Dubey presented a paper entitled 'Adoption of Climate Change Through Sustainable Urban Planning in India' in the National Seminar on "Adaptation and Implementation of Paris Agreement: National Initiatives Towards Climate Mission" held at SBSC, University of Delhi on 21 and 22 April 2017.

Avtar Singh presented a paper entitled 'Social Exclusion and Atrocities on Dalits: Violation of human rights' during the 5th Indian Social Work Congress on "Social Work Profession and Social Realities Response and Ripostes" held at Shree Sankarcharya University of Sanskrit, Kalady on 10 to 12 November 2017.

Jaya Varma presented a paper entitled 'Mahayanic Way of Life' during the National Seminar organized by Satyawati College (Eve.), University of Delhi on 15 September 2017.

Ravi Shankar presented a paper entitled 'Collective protest and social identity: a case study of save the Narmada Movement in India' during the 15th European Congress of Psychology held at Amsterdam during 11 to 14 July 2017.

Ramashray Prasad presented a paper entitled 'Flood Estimation: A Case Study of Lower Gandak River Basin at Tribeni in Bihar' during the 29th Biennial Conference of "North East India Geographical Society (NEIGS)" cum "XI International Geographical Union Commission Seminar" held at B. Borooah College, Guwahati from 8 to 10 February 2018.

Arvind Kumar Yadav presented a paper entitled 'Good Governance and Human Rights of Prisoners in India : An Overview' at the National Seminar on "Challenges to Good Governance in India" organised by the Institute of Indian Culture, Mumbai on 2 April 2017.

N. Victoria Chanu presented a paper entitled 'Understanding Korean Women's Status and Social Values Through Literature' in the International seminar on "Act East: Transitions in India's Engagement with South Korea" organised by Jamia Millia Islamia and Researchers' Association for the Study of Korea at CIT Conference Hall, Jamia Milia Islamia on 13 October 2017.

R.N.Dubey presented a paper entitled 'New Approach to Sustainable Urban Planning in India' in 39th Indian Geography Congress on "Future Cities, Sustainable Development and Geospatial Technologies" at Osmania University, Hyderabad during 5 to 7 December 2017.

Arvind Kumar Yadav presented a paper entitled 'Good Governance and Human Rights of Prisoners in India : An Overview' in National Seminar on "Challenges to Good Governance in India" organised by the Institute of Indian Culture, Mumbai on 2 April 2017.

National/International MoUs Signed

MoU signed with School of Open Learning (SOL) University of Delhi.

MoU signed with Rajiv Gandhi National Institute of Youth Development, Ministry of Youth Affairs & Sports, Tamil Nadu.

Placement Details

Number of students placed: 22

Number of Companies visited for campus recruitment: 1

Extension and Outreach Activities

Blood Donation Camp was organized by NSS unit on 18 January 2018 in collaboration with Social Service Unit of AIIMS and a Tree Plantation drive was organized by the Eco club of college on 23 September 2017.

Library Development

The library is housed in a separate building is fully computerized with wi-fi facilities. It has about 38,338 books and some of these are provided to the economically weaker and brilliant students under 'Students Aid Fund Scheme: (S.A.F)'. Library is computerized and covered under CCTV surveillance and uses *Libsys software*. It provides OPAC (Online Public Access Catalogue) facility for all students in order to check his/her library account. Special collection of Dr. B.R. Ambedkar, Gandhi, Nehru & other personalities are available along with dictionaries on each floor. Other new facilities laptop charging facility; link to access e-resources in the library from DULS; access to N-list programme of INFLIBNET; question papers of the previous years; notification of job openings, and subject-wise and floor-wise signage's. The library is equipped with special facilities offered to the Divyangjan. These include: separate air-conditioned cabin (Named Helen Keller Unit) with two computers; online membership of sugamya pustakalaya free of cost; and separate sitting space for reading of Braille study materials.

Faculty Strength

Total numbers of faculty members = 117

Financial Allocation and Utilization

Grant sanctioned: Rs. 25,58,00,000/-

Grants utilized: Rs. 24,04,28,940/-

DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION (VISUAL IMPAIRMENT)

Major activities and achievement

Durgabai Deshmukh College of Special Education (for Visual Impairment) was established in 2006 and since then offers Bachelors Degree programme in Special Education for the visually impaired children and is recognized by the Rehabilitation Council of India. The college is run by the Blind Relief Association, Delhi which is a premier non-government organization. The college is also partially funded by the National Institute for empowerment of the persons with Visual Impairment (Divyangjan) an apex body under the ministry of Social Justice and Empowerment. Currently, college has an intake of 28 students per academic session.

Honours/ Distinctions

Dr. Swati Sanyal:

Member, Committee for amendment of 'Act of Rehabilitation Council of India'

Member, Revision Committee of Inspection, Rehabilitation Council of India'.

Member, Doctoral Committee of SOSS, IGNOU.

Member, Urdu Braille Development, JMI

Students with distinctions

Ms Swati and Ms Latika Aneja secured distinctions in their B.Ed.(Spl.Edn.) final Exam.

Publications

Dubey, S.K. (2017) Visual Impairment: A Book for Parents and Care givers, New Delhi, S.R. Publishers.

Conferences Organized

CRE programme entitled '*Socio-Emotional Aspects of Learning Disability*' organized from 8 to 10 December 2017.

Seminar /Conference Presentation

Swati Sanyal presented a paper entitled ‘Teaching strategies for developing social skills & building self-esteem’ at the CRE Education programme organized by Durgabai Deshmukh College of Special Education & Ayush Society, Delhi in association with (NIEPMD), from 8 to 10 December 2017.

S. K. Dubey presented a paper entitled ‘Development of Assistive Devices for visually Impaired’ during the CRE program organized by AAROH, Vasant Kunj, New Delhi on 28 March 2018.

S.K. Dubey was invited as resource person for 6 days workshop on ‘psychological assessment and braille learning (EPC) program’ and delivered lecture on “Assistive Devices for Visually Impaired” organized by Jamia Millia Islamia, New Delhi on 12 to 17 March 2018.

Pubali Agrawal participated as a Resource Person in a five days Hands-on training (CRE Status) of Special Education Teachers in Cross Disabilities, organized by JPM Senior Secondary School for the Blind & Directorate of Education, Govt. of NCT of Delhi, from 18 to 22 September 2017.

Pubali Agrawal demonstrated ‘How to Develop different Independent Living Skills’ to adolescents who lost their vision in accidents or calamities in an event organized by “Help Foundation”, Kashmir on 3 to 7 October 2017.

Pubali Agrawal presented a paper entitled ‘Addressing Socio-Emotional aspects of Persons with Learning Disability’ during the CRE Programme, organized by NIEPMD, Ayush Society & Durgabai Deshmukh College of Special Education (VI) on 10 October 2017.

Pubali Agrawal conducted a workshop on ‘How to develop Teaching Resources from an Inclusive Perspective’ organized by Department of Education, University of Delhi on 19 February 2018.

Narendra Kumar Jha presented a paper entitled ‘Counseling Parents of Children with Learning Disabilities’ organized by Durgabai Deshmukh College of Special Education & Ayush Society, Delhi in association with National Institute Empowerment of Persons with Multiple Disabilities (NIEPMD) Chennai, from 8 to 10 December 2017.

Placement Details

Number and percentage of students placed: Approximately 50%

Extension and Outreach Activities

Medical Camp for women with disabilities was organized on 18 November 2017.

Library development

Total Number of Books (Print + Braille)	4382
Total Number of Titles (Print + Braille)	2225
Print Journals on Special Education as well as Education	22
Total Numbers of Books added during 2017-2018	163

Faculty Strength

Number of permanent faculty= 4

Financial Allocation and Utilization:

Grant allocated:	Rs. 90,00,000/-
Grant sanctioned:	Rs. 34,78,272/-

DYAL SINGH COLLEGE

Major activities and achievements

NIRF adopted by MHRD, Government of India ranked the college as 25th in overall ranking, 2018 in the category of Colleges. National Skill Resources Development Award was conferred by National Community College for Skill Development (NCCSD), the Women’s Agency for Generating Employment (WAGE), Confederation of Indian Universities (CIU) and National Institute of Cleanliness Education and Research

(NICER) for outstanding contribution. Spiritual and Value Education Award was conferred by Confederation of Indian Universities (CIU). International Association Educators for world peace conferred “Best Managed Green Campus Award”. Green Globecare” conferred certificate of appreciation for tireless efforts and valuable role in building the foundation to protect tree and Mother Earth.

Outstanding Honours/Distinctions

Robin Kadyan won bronze medal in All India University Championship. Niraj Kumar won Bronze medal in senior state boxing Championship.

Aashi Chaudhary won gold medal in High Jump and Decathlon. Also won gold medal in Delhi State Athletics championship and reliance foundation in inter college championship.

Usman Devan won gold medal in 100mt, 200mt and 400 mts race in Delhi State Championship. He also won gold medal in 200 mts race in First national Para University Games and Para Youth Asian Games, Dubai.

Sanjay won gold medal in 100 mt race in KMC intercollege para athletics meet. He also won gold medal in 400 mt., 800 mt and 5000 mt race in Delhi state Para Games. Nakul Virval won gold medal in UP state Centrefire.

Abhival Choudhary won 3 gold in state Sr. Centrefire.

Anil Kumar won gold medal in 10 m peep sight Air rifle in Sr. and Jr. men.

Students with distinctions

Ms. Safi Kamal Hussain, Ist in college B.A(H) Political Science Final result 16-17.

Mr. Mohit Yadav, Ist in college B.Sc. (H) Zoology final result 2016-17.

Ms. Isha Godhwani, Ist position in college B.com. (H) final result 2016-17.

Ms. Muskan Verma, Ist position in college B.Sc. Life Science final result 2016-17.

Mr. Lakshya Dabas, Ist position in college B.A.(H) Economics final result 2016-17

Publications (Selected)

Droliya, P. and A. K. Nain (2017) Experimental and theoretical studies of acoustic and viscometric properties of binary mixtures of tetrahydrofuran with some alkyl acrylates at temperatures from 293.15 to 318.15 K, *J. Mol. Liq.*, 241, 549-562.

Krishna, T.S.; K Narendra, M. Gowrisankar, A. K. Nain and B. Munibhadrayya (2017) Physicochemical and spectroscopic studies of molecular interactions of 1-butyl-3-methylimidazolium hexafluorophosphate + 2-methoxyethanol or 2-ethoxyethanol binary mixtures at temperatures from 298.15 to 323.15 K, *J. Mol. Liq.*, 227, 333-350.

Nain, A.K. and P. Droliya (2017) Temperature and concentration dependence of volumetric properties of tetrahydrofuran + methyl acrylate, or + ethyl acrylate, or + *n*-butyl acrylate, or + *tert*-butyl acrylate binary mixtures, *J. Chem. Thermodyn.*, 105, 317-326.

Nain, A.K.; P. Droliya, J. Gupta (2017) Theoretical study of molecular interactions of amino acids in aqueous-carbohydrate solutions by using scaled particle theory, *Indian J. Chem. A*, 56, 939-944.

Pandey, P.K. (2017). A finite difference method for the numerical solution of general third order boundary value problem with an internal boundary condition, *Russian Mathematics* 61(12), 29-38.

Pandey, P.K. (2017) A numerical method for the solution of fifth order boundary value problem in ordinary differential equations, *Vladikavkazian Mathematical Journal*. 2017 . Vol. 19. Issue 4. P.50-57.

Pandey, P.K. (2017) A numerical method for the solution of general third order boundary value problem in ordinary differential equations, *Bulletin of the International Mathematical Virtual Institute* Vol. 7, No. 1, 129-138.

Pandey, P.K. (2018) An efficient numerical method for the solution of third order boundary problem in ordinary differential equations, *Int. J. Computing Science and Mathematics*, Vol. 9, No. 2, 171-180.

Pandey, P.K. (2018) Finite Difference Method for Numerical Solution of Two Point Boundary Value Problems with Non-uniform Mesh and Internal Boundary Condition, *General Letters in Mathematics*, Vol 4 (1), 6-12.

Number of College Teachers serving as Editor(s)/Member(s) of Editorial Board – More than 12

Research Projects

Arun Pal. Mathematics, DST.Rs. 41,51,400.00
 Naveen Gaur, Physics, Indo-French, 1,02,000 (Euro)
 Anil Kumar Nain, Chemistry, CCRH, Rs. 44,68,780.00
 Nishant Kumar, Pol. Sc, ICSSR, Rs. 8,00,000.00
 Dr. Kamal Nayan Choubey, Pol. Sc, ICSSR, Rs. 6,00,000
 Dr. Aruna Chhikara, Chemistry, DBT PILOT Project, Rs. 25,01,000, UGC, Rs. 7,01,000.00
 Dr Alka Gupta, Chemistry, UGC, Rs. 13,07,813.00
 Dr. Amita Malik, Chemistry, UGC, Rs. 11,79,620.00
 Dr. Nikhil Jain, Pol.Sc., UGC, Rs. 7,82,600.00

Seminars organized

Department of Punjabi organized Sawan Kavi Darbar; seminar on the topic “Sarab Sanjhivalta de Prateek Sri Guru Granth Sahib” “Bhagat Ravidas Personality and Contribution” S S Vanjara Bedi Memorial function.

Department of Zoology organised a talk by Shri Nimish Kapoor from Vigyan Parisar, DST “Science Communication : Bridging the gap between Science and Society” in Zoology Society; Dr. V.C. Kalia delivered a talk on “Green Technologies to combat Environmental pollution” in Zoophoria, a departmental fest. A two day educational trip to Dehradun and Mussoorie was also organized.

Dr. Nikhil Jain (Political Science). Organized a workshop on Digitization of Books and a gender sensitizing workshop on Acid Victims in collaboration with the Women Development Cell of the College.

Department of Geography organised a lecture on “Rural America in a Globalized World” by Dr. Rajiv Thakur, Assistant Professor, Department of Geosciences at Missouri State University (MSU), West Plains. And also one day workshop on ‘Hazard, Vulnerability and Sustainability Challenges’ was also organized.

Department of Economics organised a seminar on Economic Liberalism in India by Mr. Mohit Satyanand from CSS by Prof. Abhijit Sen, a former member of planning commission on the topic - 'The current state of Indian economy'.

Conference organized

Dr. Nikhil Jain (Political Science). Organized a National Workshop on ‘Access to Cinema through Audio Description’ in the College.

ECONCLAVE, the annual economics fest hosted 18 speakers including Yashwant Sinha, Sanjeev Sanyal and many others events like Richie-Rich, Currency Tussle, Biz-Shastra and Biblus.

Department of Commerce organised One-Day Faculty Development Program on Research Methodology and “Insights on GST and Custom Laws”.

ECOGNIZANCE and VIKIRYA- the gender champions of Dyal Singh College organized “UNBROKEN- The story of survival”, a panel discussion about the increasing menace of sexual abuse and harassment. Ecognizance also organised a workshop on Mental Health and Awareness.

Seminar / Conference Presentation

Dr. Neetu Bhattacharya presented a poster on Next Generation Sequencing in national conference of Medical Anthropology held at Ashutosh College Kolkata.

Dr. Shweta Rani was invited as a Keynote Speaker, in the International Conference organized by Indian Federation of United Nations Associations (IFUNA), New Delhi

Mr. Shish Pal Sinhmar presented papers at an International Conference on Women and Sectarian Violence in South Asia: Fiction and Reality held at Central University of Gujarat and at a National Conference on Environment, Health and Sustainable Development held at Centre for health and Environment studies, Dehradun.

Dr. Hema Banati delivered a talk on “*Nature Inspired Computing*” at Deen Dayal Upadhyaya College and another one on *Web & Social Media Analytics* at JIIMS.

Dr. Anita Goel delivered a talk on “Scientific Writing” and “Big Data and Cloud Computing” to Pre-Ph.D. students in Department of Computer Science, University of Delhi, in June and in RKG College of Management and Technology, Ghaziabad on Data Interpretation for the CEC-UGC Edusat channel.

Placement details

Number of students getting successful placements : 204 (placement) 350 (Internship)

Number of Companies/Industries coming for campus recruitment : 63 (Placement); 95(Interns)

Extension and Outreach work

Number of camps organized in the surrounding areas : 5+.

Number of people enrolled/covered in the camps : 400+.

Number of students who worked in the camps : 100+.

Total number of hours dedicated to these camps: 5+ hours/camp.

Library Development

Added 1395 books and 11 journals/Magazines. The library has around 1 lakh total collection. The college library subscribes 57 journal/magazines and 19 newspapers and is a member of NLSIT program to access e-resources. It also provides IT based services to visually impaired student/Faculty Members.

Faculty Strength

Total number of permanent faculty: 158;

Total number of Ad-hoc faculty: 101

Financial Allocation and Utilization

Grant sanction: Rs. 55,27,82,000/-

Grant utilized: Rs. 48,83,39,202.64/-

DYAL SINGH EVENING COLLEGE**Major Activities and Achievements**

The Department of Commerce one of the most vibrant department of the College has organized a Debate Competition on the topic “Today India needs more Entrepreneurs than Managers”. Dr. Sanjay Kumar Singh published a book on “Management Accounting”. The Political Science Department conducted several lecture series. Dr. Shivani Singh edited a book on “Governance: Issues and Challenges” by Sage Publications. The History department organized Heritage walks Shri A. K. Singh was awarded Ph.D on Socialist Movement in India. The Punjabi Department hosted two day International Seminar Dr. Prithvi Raj Thapar published a book on “Fiction of Bant singh Cnattha”. The English department organized a National Conference on Limbale’s “The Outcase and Dalit Resistance”. There were more than 10 publications and 62 students got distinctions. The Placement Cell has been instrumental in bringing in lot of high-end recruiters for the campus placement of students. The college has books over 60,000. The digital form is underway. There are 89 faculty members in total financial grant sanctioned was Rs. 1566.05 lakhs and the fund utilized was Rs. 1593.20 lakhs.

Publications Total Number

Microfinance, Financial Literacy and Financial Inclusion in 2017

Demonetization, Digitization and Financial Inclusion in 2017

A study of Impact of Demonetization on Financial Inclusion in India in 2017

Charting the Journey of Demonetization 2016 in 2017

30 Big Steps to Financial Inclusion in India in 2017

Payment Banks and Small Banks as Conduits of Financial Inclusion in 2017

Research Projects

A minor project titled “Awareness Campaign, Workshop and Youth Festival on Inclusive India Empowered India” was undertaken for three months and a grant of Rs,1,50,000/- was received from National Trust, Ministry of Social Justice and Empowerment, Government of India. The outcome of the project was that more than 5000 people reached to create awareness about the Inclusive India Programme.

Seminars Organized

National Seminar on the need for physical education in improving the performance of Indian sports persons in Olympics and other national/international tournaments was organized from 07 to 08 November 2017.

Organized a one day seminar on ‘Understanding GST’ on 2 August 2017.

A Seminar on Diaspora was held on 25 October 2017. Students were addressed by Professor Harish Narang from JNU and Dr Jyoti Jakhar Dahiya from Motilal Nehru College.

Conferences Organized

On 22 March 2018, a National Conference on the topic- Limbale’s The Outcaste and Dalit Resistance was organized by the English department which witnessed paper presentations by eminent researchers and scholars from 11 Universities across the country.

Seminar/Conference Presentations

Dr. Poonam got 4 articles presented in International Conferences. Two of them got published too. She edited two books and also contributed four articles in the edited books. She also completed a project with National Trust, Ministry of Social Justice and Empowerment, Government of India. Project was an extension of ‘Inclusive India Empowered India’ initiative of National trust. The main aim of the project was to create awareness and knowledge among students and the public towards the special needs of persons with intellectual and developmental disabilities. The project outreaches more than 10000 students and people. She also organized one day Vittaya Saksharta Shivir in Seelam Pur area of Delhi. One day seminar on ‘Understanding GST’ was also organized by her in the college.

Placement Details

Total number of students placed = More than 100

Extension and Outreach Activities:

NSS Unit of Dyal Singh Evening College organized various events regarding social issues and development of students in creative field and enhancing their speaking skills. Opening of the year was done by the orientation programme for the newly inducted NSS volunteers on 25 September 2017 in which Capt. Parminder Sehgal, Officer Incharge NCC and NSS, Delhi University was the chief guest. During the month of September, Rally for Rivers awareness campaign was organized in the college premises to raise awareness of the rivers that are depleting. Students also went to the main event of Rally for Rivers which was held in Indira Gandhi Stadium in Delhi to support this cause. In the month of October, 2017 The event was followed by a cleanliness drive in collaboration with South Delhi Municipal Corporation (SDMC) Delhi. Our NSS Team went to the Indraprastha Slum to teach the children about basic health and hygiene tips in the month of January and February. Inter College Poster Making Competition on the topic “Swachh Bharat- ek kadam swachhta ki aur” dated 27 February 2018 was also organized. A Self Defence Training was conducted for Girls in collaboration with Street Level Awareness Program (SLAP) on 4 April 2018 in which girls were taught many Self Defence Techniques to prepare them for unexpected situations and also helps develop increased mental and physical health. Collection drive for the slum children was held in the college campus collecting packed food, clothing and stationary items.

Library Development

The college has a well-endowed library with over 60000 books, a large number of periodicals, journals and the internet facility. Moreover, automation of the library records is underway.

Faculty Strength

Total number of faculty members 89

Financial Allocation and Utilization

Grant sanctioned: Rs. 1566.05 lakhs

Grant Utilized: Rs. 1593.20 lakhs

Other Significant Information:

The Equal Opportunity Cell in collaboration with the Student Union of the college organized an interactive session on 1 March 2017 in which Honorable Governor Shri O.P. Kohli delivered a motivational lecture and interacted with the students. The students of the equal opportunity cell delivered performances which were appreciated by all. The students of the cell also actively participated in various inter-college competitions like Cricket, shot put, chess athletics and debate competitions and won many prizes.

GARGI COLLEGE

Major Activities and Achievements

Gargi college celebrated its Golden Jubilee Year function with Dr. Pranab Mukherjee (former President of India) as the Chief Guest and presided by Prof. Y. K. Tyagi (Vice Chancellor, University of Delhi). For showcasing the glorious 50 years of the College, a book was released and The Wall of Fame was unveiled by Dr. Pranab Mukherjee. National Institutional Ranking Framework (NIRF) ranked the College at 15th position at All India level and 7th amongst the colleges of University of Delhi. The College received "Best Managed Campus Award 2017" by the "International Association of Educators for World Peace" in 38th World Management Congress. A two day International Conference titled 'Educational Policy Shifts in Neo-Liberal Times: Core Concerns and Critical Issues' was organized in September 2017 in collaboration with IQAC. The conference was funded by NUEPA.

Honours/ Distinctions

Dr. Promila Kumar, Principal, Gargi college received "Best Managed Campus Award 2017" by the "International Association of Educators for World Peace" in 38th World Management Congress on 8 March 2017

Dr. Renu Aggarwal, Department of Chemistry received "Award for College Lecturer" from Directorate of Higher Education, Government of NCT of Delhi.

Dr. Madhu Sudan, Department of Physics received "Bhaskara Advanced Solar Energy (BASE) Fellowship", funded by Department of Science and Technology (DST), Govt. of India, and the Indo-U.S. Science and Technology Forum (IUSSTF), for the Ph.D. duration.

Dr. Poonam Sharma, Department of Zoology received "SCIENCE AMBASSADOR-2017" at 1st Science Ambassador Program organized by Bio-Rab Laboratories in association with Deshbandhu College on 6 November 2017 and held at St. Thomas Girls Sr. Sec. School, Delhi.

Students with Distinction

Six students were awarded the Science Meritorious Award by University of Delhi.

Avi Mendiratta from B.Sc. (H) Botany, 3rd Yr.

Rozy Yadav from B.Sc. (H) Botany, 3rd Yr

Ruth Abraham from B.Sc. (H) Botany, 3rd Yr.

Shivani Sharma from B.Sc. (H) Botany, 3rd Yr.

Prabhleen Kaur from B.Sc. (H) Zoology, 2nd Yr

Khushboo Choudhary from B.Sc. (H) Zoology, 3rd Yr.

Publications

Singh, S., Mohanty, A. (2018) In silico identification of potential drug compound against Peroxisome proliferator-activated receptor-gamma by virtual screening and toxicity studies for the treatment of Diabetic Nephropathy. *Journal of Biomolecular Structure and Dynamics*, 36(7), 1776-1787.

Kumar, M., Chauhan, H., Satpati, B., Deka, S. Yolk (2018) Type Asymmetric Ag–Cu₂O Hybrid Nanoparticles on Graphene Substrate as Efficient Electrode Material for Hybrid Supercapacitors. *Zeitschrift für Physikalische Chemie*. 1067.

Khurana, H., (2017) The Impact of Employer Branding on Employee Behaviour and Motivation. *International Journal of Research in Computer Application and Management*. 7(6), 56-62.

Dutta, S. (2017). *British Women Missionaries in Bengal, 1793–1861*. Anthem Press. ISBN 978-1-78308-726-6

Kumar, P., Sharma, B. (2017) Higher order efficiency and duality for multi-objective variational problem. *Control & Cybernetics*, 46(2), 137-145.

Redhu, A. K., Banerjee, A., Shah, A. H., Moreno, A., Rawal, M. K., Nair, R., Prasad, R. (2018) Molecular Basis of Substrate Polyspecificity of the *Candida albicans* Mdr1p Multidrug/H⁺ Antiporter. *Journal of molecular biology*. 430(5):682-694.

Sarin, N., Mishra, M., Gupta, G., Parkin, I. P., Luthra, V. (2018) Elucidating iron doping induced n-to p-characteristics of Strontium titanate based ethanol sensors. *Current Applied Physics*, 18(2), 246-253.

Rizvi, S. H., Salcedo, S., Youngstrom, E. A., Freeman, L. K., Gadow, K. D., Fristad, M. A., Arnold, L. E. (2018) Diagnostic Accuracy of the CASI-4R Psychosis Subscale for Children Evaluated in Pediatric Outpatient Clinics. *Journal of Clinical Child & Adolescent Psychology*, DOI: 10.1080/15374416.2017.141082

Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Nayyar, N., Lal, R. (2017) Genome organization of *Sphingobium indicum* B90A: an archetypal Hexachlorocyclohexane (HCH) degrading genotype. *Genome biology and evolution*, 9(9), 2191-2197.

Bhatt, A. (2018) Conflict transformation model: A case study of Kashmir Conflict, *International Journal of Scientific Research*, 7(4), 401-402.

Number of college teachers serving as Editor(s)/ Member(s) of Editorial Board: Three

Research Projects

Dr. Anjana Rustagi, Department of Botany, awarded Early Career Research Award (ECRA) to conduct major research project entitled “Revealing the mechanism and components of systemic acquired resistance in *Brassica juncea*” from Scientific and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India. Sanctioned amount: Rs.36.31 lacs; Received: NIL; Period: 3 years

Dr. Supreeti Das, Department of Physics, awarded UGC minor research project grant for “Designing efficient thermal flow nanofluids” in 2017. Sanctioned amount: Rs.2.65 lacs; Received: Rs.2.32 lacs; Period: 2 years

Seminars Organized

Department of Chemistry organized a three-day interdisciplinary seminar on “Exploring New Dimensions of Knowledge” from 17-19 July 2017.

The Commerce Department organized a career counselling session by an eminent television personality and columnist, Usha Albuquerque, for students of all courses on 25 August 2017.

A two day National Seminar on ‘Mentoring the Teacher mentors: Capacity Building Programme (funded by NAAC), was organized by IQAC in collaboration with Departments of Education, Philosophy and Psychology, held on 19-20 January, 2018.

The Chemical society organized an educational seminar on “Laboratory Glassware” by experts from Borosil on 30 August 2017.

The Department of History organized a two-day seminar (24-25 October 2017), to commemorate the Golden Jubilee celebrations of Gargi College. The theme of the seminar was Writing Women’s History: Locating Visibility, Voices, and Agency.

Conferences/ workshops Organized

Department of Botany organized a two-day workshop on “Analytical Techniques in Biochemistry” from 30 – 31 August 2017.

The Department of Psychology organised a series of Expressive Arts Workshops between 24 and 28 February 2018. The facilitator was Ms. Manju Jain, a certified Person-Centered Expressive Arts Trainer (Portland, USA).

Department of Business Economics organized a “Workshop on Public Speaking”- On 26 September 2017, where the toastmasters club organized a demo meet with the students, highlighting the need to learn the art of public speaking.

Department of Commerce organized a Pre-Cascade workshop on the theme, Goods and services tax (GST), by Mr. Atul Gupta, Member of Advisory Board, GSTN, Government of India on 21 September 2017.

A two day Summer Workshop was organized in July 2017 by Department of Physics for all science students on Nanotechnology, UV visible spectroscopy and interfacing of physics experiments.

Seminar/Conference Presentations

Dr. Anjana Rastogi Presented Poster entitled ‘Epifoliar treatment of Brassica juncea plants with 24-Epibrassinolide exhibit resistance to fungal Phytopathogens’ on 28 February 2018 at Indian National Science Academy, New Delhi on the occasion of ‘National Science Day’ organized by Indian National Science Academy and Indian Academy of Sciences.

Ms. Anjali Anand Presented research paper entitled ‘Impact of Information and Communication Technology (ICT) on Education’ in the one day National Conference on Rethinking Management Education in the Digital Age held at the Faculty of Management Studies, University of Delhi on 10 February 2018.

Dr. Monica Gupta Presented a paper on ‘Building an Educational culture of Empathy and Care: Insights from Sri Aurobindo’ in 8th International Conference of the Comparative Education Society of India titled: ‘Criticality, Empathy and Welfare in Contemporary Educational Discourses’ 16- 18 November 2017, University of Jammu, Jammu.

Ms. Nidhi Tewathia Presented a paper entitled “Internet Economy: India vis-à-vis South Korea” at the 11th RASK International Seminar on Act East: Transitions in India’s Engagement with South Korea at Jamia Millia Islamia on 13-14 October 2017.

Mr. Narender Kumar Presented Paper in “International conference on Current Trends in Theoretical and Computational Differential Equations with Applications” organized by ‘Department of Mathematics, South Asian University, New Delhi’, held during 01-05 December 2017.

Placement Details

Total number and percentage of students placed = 97 (27%)

Total number of companied visiting campus= 40

Extension and Outreach Activities

National Service Society (NSS) organized a Blood Donation Camp on 25 October 2017 in collaboration with Red Cross and Rotary Club on 31 October 2017, NSS sponsored the Rashtriya Ekta Divas also known as National Unity Day which focused on spreading the message of peace and Unity. Several cleanliness drives were organized by NSS volunteers throughout the year. Newspaper collection and clothes collection drives as well as other ‘Daan Utsav’ were organized to help several NGOs such as Family of Disabled, Goonj etc. On 25 January, 2018, NSS Gargi, along with the Political Science department celebrated National Voter’s Day or Rashtriya Matdata Diwas. NSS celebrated ‘Children’s Day’ with differently abled children from NGO-MUSKAAN and TAMANNA.

Library Development

617 books were added till March, 2018 making total of 74027 books in all. At present library has an asset of 217 CDs and subscribed to 51 periodicals and 10 newspapers. Electronic Resource Management package for managing and utilizing e-resources was made available. The library subscribes to a large number of Electronics Resources through UGC-Infonet which includes e-resources (6,000+ ejournals and 31,35,000+ ebooks) and University of Delhi connectivity which includes Delhi University Library System.

Faculty Strength

Total number of permanent faculty: 146

Total number of Ad-Hoc faculty: 70

Financial Allocation and Utilization

Grant sanctioned: Rs.4665.12 lakhs

Grant utilized: Rs.4630.02 lakhs

Other Significant Information

Ms. Pincky Balhara B.A. Program II year has been selected for 18th Asian Games to be held from 18 August 2018 to 2 Sept 2018 in Jakarta, Indonesia.

HANSRAJ COLLEGE

Major Activities and Achievements

One of the major achievements of Hansraj College in 2017 was securing overall score of 3.62, grade A+ in NAAC assessment. The college believes in imbibing the changing technology to keep students abreast of latest developments in their respective subjects. Mentorship programs are conducted which acts as a means to reach out to the students and discuss issues faced by them concerning studies, career, passions etc. The college also promises a bright future for the students. To achieve this, an internship fair was conducted where students could interact with industry leaders, experts, professionals as well as leaders from various several startups, non-profit government organisations. This helped students to realise the market demand and prepare themselves for upcoming jobs.

Honours/Distinctions

Dr. Monika Koul was awarded prize as an outstanding women in science by Venus International Chennai.

Dr. Meghna Malhotra was awarded UGC Travel Grant for presenting paper in World Finance Conference July 2017 in Cagliari University Sardinia Italy.

Dr. Brijesh Rathi received an Early Career Research Award by SERB, Govt of India. Dr. Brijesh Rathi was selected as Ambassador (2018) for Bentham Science Publishers, UAE.

Dr. Satyendra Srivastava got the Best Young Teacher award in Social Science

Students with Distinctions

Seven students got Gold Medal in Delhi University.

Our student won Gold Medal in 200 meter and Silver Medal in 100 meter freestyle at the 9th Asian Age Group Championship.

Students won Inter-college championship in sports such as Air Pistol (M), Air Rifle (M), Squash (M), Archery (M) Compound, Archery (M) Indian Round, Badminton (M), Air Pistol (W).

Publications

Koul, M. and Bhatnagar, A.K. (2017) "Changes in Leaf Epidermal Features of *Cyamopsis tetragonoloba* (L.) Taub. in Response to Lead in Soil." *Phytomorphology*, 67(1, 2), 19-25.

Kumari, V.; Dixit, R.; Rathi, B.; Pandey, K. and co-authors. (2017) "Biochemical Characterization of Unusual Cysteine Protease of *P. falciparum*, Metacaspase-2 (MCA-2)" *Mol. Biochem. Parasitol.* In Press 220 (IF, 2.536; Elsevier), 2017, pp. 28-41.

Khurana, A. (2017) "Computer Se Shiksha Mein Navachar" *Puravai*, volume 74 25-26.

Singh, I. (2017) "Antimicrobials in Higher Plants: Classification, Mode of Action and Bioactivities." *Chemical Biology Letters* 4(1), 48-62.

Singh, A; Nath, O; Singh, S; Kumar, S; and Singh, I.K. (2017) "Genome-wide identification of the MAPK gene family in chickpea and expression analysis during development and stress response" *Plant Gene*, 13, 25-35.

Research Projects

DST project with funding agency Indo-Hungarian Bilateral Research Grant (2017-20) for the project titled “Thio-click approach for the synthesis of stable glycomimetic and chiral oxathiacrown ethers”.

DRDO project (2017-20) for the project titled “Design and Catalytic Large-Scale Synthesis of New Functionalized Perfluorinated Ketones/Ethers as Potential Fire Extinguishants” (Amount sanctioned - 48.2 lakhs).

UGC funded project (2016-18) titled “Structure diversity and Stability of G-rich DNA sequences” (Amount sanctioned – 6.0 lakhs).

DST-SERB funded project (2016-19) titled “A New Class of Anti-Malarials: Constituting New Avenues for Anti-Malarial Therapy” (Amount sanctioned – 32.89 lakhs).

UGC funded project (2015-18) titled “Evaluation and analysis of four medicinal plants for their pollution load in wild, cultivated and controlled conditions and response of their bioactive constituents in terms of yield and quality” (Amount sanctioned – 9.8 lakhs).

Patents Filed/Granted

National type of patent has been filed with application number 2017110041295

Seminar Organized

Prof. Chandrima Shaha, Senior Stall Scientist, National Institute of Immunology (NII) delivered a talk on “Vaccines, Immunity and Health” on 15 September 2017.

Prof. M.V. Rajam, faculty Department of Genetics, University of Delhi South Campus delivered a talk on “RNA Interference: Biology and implications in Agriculture” on 9 February 2018.

Prof. Seyed E.Hasnain, Vice Chancellor, Jamia Hamdard delivered a talk on “Impact of Technology on Society: The world in 2020 and beyond” on 23 February 2018.

Dr. Aditya Kumar Gupta, Assistant Professor, Department of Philosophy, Delhi University delivered a talk on “Ethical and Social Issues on Elderly Care” on 9 March 2018.

Mr. Ajoy Ashirwad Mahaprashasta, Deputy-Editor at the Wire delivered a talk on “History and Journalism” on 19 February 2018.

Conference organized

Organized a workshop on Computer proficiency in day-to-day work and dealings in workplace and public life organized by Department of Botany in association with IQAC on 6 July 2017

Seminar/Conference Presentations

Active participation and poster presentation in the International conference INSCR on themes “Role of Microbe-Plant-Animal Interactions in Human Health” and Innovation Science held on 27-28 September 2017.

Delivered an Oral talk at SNMICON, “Atomic Panorama, Canvassing the power of Nuclear Medicine and Molecular Imaging “organized by INMAS, DRDO and Society of Nuclear Medicine (INDIA) from 14 to 17 December 2017.

Active participation and poster presentation in International conference on “Experimental Biology: Federation of American Society of Experimental Biology” held in Chicago, Illinois, USA from 22 to 26 April 2017.

Guest Speaker in Women in Science STEM Series in the Department of Biological Sciences, Winston Salem State University, North Carolina, USA. 1 May 2017.

National/International MoUs Signed

MoUs signed with Loyola University Stritch School of Medicine Maywood, IL USA on 2 July 2018 to target the exchange of faculty members, joint research projects, short-term affiliated courses, trainings, conferences etc.

Placement Details

Number of students placed – 124

Number of companies – 101

Percent of students placed - 27.6 %

Library Development

Around 1,45,000 books were issued out to students, teachers and members of the non teaching staff. The library has been fully air-conditioned. Computers and internet access has been made available to the students. RFID technology has been employed to digitize the library. Library members can now issue and return books by themselves at the kiosk and drop box. Books from the various science streams have been incorporated into the library. CCTVs have been installed to enhanced security within the library.

Faculty Strength

Total number of faculty: 188

Financial Allocation and Utilization

Grand Sanctioned: Rs. 41,23,65,000/-

Grant utilized: Rs. 39,69,42,050/-

HINDU COLLEGE

Major activities and achievements

The year saw several notable achievements for the College culminating in the 119th Founder's Day on 15 February 2018, with Shri Hardeep Singh Puri, Hon'ble Minister of State for Housing and Urban Affairs as the Chief Guest. College ranked 4th in NIRF All India Ranking 2018. In India Today Ranking Hindu College got 2nd All India Ranking in Science, 2nd All India Ranking in Commerce, 3rd All India Ranking in Arts Stream. College celebrated Swachhta Pakhwada in collaboration with Ministry of Human Resource Development with the aim of promoting cleanliness and hygiene. College strengthened its claims to be recognized as a truly global institution by collaborating with National University of Singapore to host the first of its kind Conference titled 'The Asian Undergraduate Summit'. The theme of the summit was "Leadership in a Complex World: Disruptive Changes in Everyday Life". The event was sponsored by the National Skill Development Corporation (NSDC).

Honours/Distinctions

Four faculty members were awarded with Ph.D degrees.

Ms. Ashma Sharma, Assistant Professor in English was awarded Visiting Doctoral Student Fellowship by the Oxford Center for Life Writing (OCLW) at Wolfson College, University of Oxford.

Dr. Anita Rajpal, Dr. Rajidner Kumar, Dr. Jagmohan, Shri Puran Mal Verma, Department of Sanskrit, were awarded "संस्कृतसमाराधकसम्मान" by Delhi Sanskrit Academy for contribution in promoting Sanskrit.

Dr. Manavi Yadav, Assistant Professor in Chemistry won the best poster award in the 21st Annual Green Chemistry and Engineering Conference at Reston Virginia, USA, best Presentation award in International conference on Advancing Green Chemistry: Building a sustainable tomorrow at University of Delhi.

Dr. Reema Gupta, Assistant professor in Physics was awarded the best poster award for her presentation at the International; conference EMRS 2017, Strasbourg

Students with distinctions

Chintan Kapoor of B. A. (Hons) Music secured I position in University of Delhi.

Shivani Jindal of B. Sc.(Hons) Botany secured I first position in the University of Delhi.

Vinay Vashisth of M. A. Philosophy secured I position in the University of Delhi.

Ayushi Gupta of M. Sc. Botany secured I position in the University of Delhi.

Rajnandini Rana of M. A. Philosophy secured II position in the University of Delhi.

Publications

Antony, D.M. (2017) The Nation as an Antinomy: A Note on the Conceptual Logic of Tagore's Dissenting Voice on Nationalism. In D.Pereira (Ed.), *Becoming a Nation: Processes and Prospects* (pp.225-32). Eluru/New Delhi: Association of Christian Philosophers of India (ACPI) & Christian World Imprints.

- Bajaj, R. (2017) Lukacs and Muktibodh on Modernism in the Twentieth Century. *Social Scientist*, 534-535.
- Kumar, A. (2018) *Basic Inorganic Chemistry*. Aaryush Publication.
- Kumar, L. (2017) Surface Structure-Dependent Low Turn-On Electron Field Emission from Polypyrrole/Tin Oxide Hybrid Cathodes. *ACS Omega*, 2 (11), 7515–7524.
- Kumar, S (2017) Green Arbitrated Synthesis of Fe₃O₄ Magnetic Nanoparticles with Nanorod Structure from Pomegranate Leaves and Congo Red Dye Degradation Studies for Water Treatment. *Journal of Molecular Liquids* (Elsevier).
- Kumar, V. (2017) Effect of mechanical milling on structural, dielectric and magnetic properties of BaTiO₃ Ni_{0.5}Co_{0.5}Fe₂O₄ multiferroic nano-composites. *Ceramics International*, 43, (3), 3246-3251.
- Mukherjee, S. (in Press) Academic Research vs Activism: The Perils of Doing Ethnographic Research on the Bhopal Gas Tragedy. In S. Choudhury (Ed.), *Doing Research: Exploring Methods in Sociology*. Orient Blackswan.
- Sharma, A. (2018) Tracing the Relational Ethic in the Postcolonial Life of the Indo-Fijian Diaspora. *Life Writing*
- Sharma, N. (2018) Investigation of indolechalones encapsulation in β-cyclodextrin: determination of stoichiometry, binding constants and thermodynamic parameters. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*. DOI: 10.1007/s10847-018-0782-4.
- Singh, R.N. (2017) Sociology of Religion: State of the Art: Interview to Anushka Goel, Urmi Bhattacharyya and Nabanipa Bhattacharjee. In N. Bhattacharjee and U. Bhattacharyya (Eds.), *Invitation to Religion*. Delhi: Sri Venkateswara College, University of Delhi.

Research Projects

- Dr Lalit Kumar, Assistant professor in Department of Physics has been awarded with a major research project worth Rs 40 lacs by Science and Engineering Research Board (SERB), Govt. of India.
- Dr Sudhir Kapoor, Associate Professor, department of Statistics has been awarded with a research project sanctioned by Indian Council of Social science research, MHRD
- Dr. Chandrachur Singh, Assistant Professor in Political Science was selected as an Academic Consultant in Prime Minister of India Project – a major research project at Nehru Memorial Museum and Library, New Delhi.

Seminars Organized

- Speaker - Rajiv Saxena, CA, 'GST: Revolutionary Tax Reform in India', 4 August 2017
- Speakers - Mr. Anuj Jindal and Mr. Manuj Jindal, 'UPSC and other Government Exams', 21 August 2017.
- Speakers Prof. Amar Farooqui, from Delhi University, "Colonial Bureaucracy in India: Evolving Trends.
- Speakers - Prof. Kuldeep Agnihotri, Vice Chancellor, Himachal Central University, Himachal Pradesh, "Jammu and Kashmir: Accession and Subsequent Development", 28 October 2017.
- Speakers -Prof Ramesh Agarwal, JNU, Delhi, and Dr. Komal Kamra, SGTB Khalsa College Delhi University, on 'Accessibility with Inclusion of Disability in Mainstream', 28 February 2017.

Conferences Organized

- Asian Undergraduate Summit 2017, 5 – 9 June 2017 organized in association with National University of Singapore, sponsored by NSDS, Government of India.
- International Conference on "Advancing Green Chemistry: Building a Sustainable Tomorrow" – 3 to 4 October 2017, jointly organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College.
- National Conference on भारतीय वादविद्या", 24 October 2017 organised by the Sanskrit Department.

Seminar/Conference Presentations

- Dr. Reena Jain presented a paper on "Remediating Waste Using Waste: Green Technology for Dye Degradation" in International Conference on "Advancing Green Chemistry: Building a Sustainable Tomorrow" organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, 3 - 4 October 2017.

Paper Presentation titled “Molecular Modelling and Docking of Caffeic Acid and its Amide Derivatives to Explore as Anti-inflammatory Agents via Targeting Human TLR4 (hTLR4)” at International conference on “Advance Green Chemistry: Building A Sustainable Tomorrow”, 3 -4 Oct 2017, University of Delhi, Delhi.

Dr Neha Kapoor presented a poster titled “A New Class of MRI Contrasting Complex: Curcumin Conjugate Based” at International Conference titled 7th APNMR(Asia Pacific NMR Symposium) held on 16-19 February 2017, IISc, Bangalore.

Dr. Devashish Magoo presented a poster titled “Nickel Boride Mediated Cleavage of 1,3-Oxathiolanes – A Convenient Approach to Deprotection and Reduction” at “International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow”, Hindu College 3- 4 October, 2017.

Mr. Siddharth Kanoujia presented a paper titled “The Possession of Narratives: Telling and Transmitting Caste in Indian Folktales” at European Conference on Arts and Humanities in Brighton, UK on 11-12 July 2017 organized by The International Academic Forum.

Dr. Richa Bajaj presented a paper titled “Muktibodh’s View of Poetry, as Presented in his Letters” at the International Conference on Indian Poetic Traditions organized by the English Department, Janki Devi Memorial College, Delhi University on 2 March 2017.

Dr. Sudhir Kapoor presented a paper titled, “Understanding the Nature of Impact of Weather Conditions and Other Pollutants on the Air Quality: A Statistical Model.” Paper presented at the International conference on ‘Advancing Green Chemistry: Building a Sustainable Tomorrow’ jointly organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi, Delhi, on 3-4 October 2017. (Co-presented).

Dr. Manoj Kumar Varshney presented a research paper entitled "A competing risk approach to estimate the probability of death of AIDS patients under ART with the variation of CD4 cell counts" in the International Conference on Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018) on 29 - 31 January 2018 at department of Statistics, Puducherry.

Dr. Priyanka Aggarwal participated in International Conference on Statistics, IISA-2017, 28-30 December 2017, Hyderabad and presented a paper entitled ‘Bayes Prediction of Poisson Regression superpopulation Mean with a Non-Gamma Prior’.

Dr. Geetika De presented paper on “Welfare Policies, Transparency and Governance: A case study of Social Audits in Telangana, India”, at Lien International Conference on Good Governance, organized by Nanyang Centre for Public.

National/International MoUs Signed and Other Inter Institutional Collaboration

The College has signed an MoU with the National University of Singapore, Singapore from 2011 onwards for a student and faculty exchange Programme. Under this MoU, students from NUS have been spending one semester each academic year. In its first year, the College is hosting students from University of Heidelberg, Germany and UBC, Canada through the affiliating university’s MoU with the respective universities.

The College offers foreign language courses through MoUs and joint collaboration with well known institutions such as Goethe Institute, Max Mueller Bhawan for German; Instituto Cervantes for Spanish, Alliance Francaise de Delhi for French and Department of Slavonic and Finno-Ugrian Studies for Russian.

The College has signed an MoU named Science Setu Programme, with the National Institute of Immunology and Department of Science and Technology in 2014 onwards for students and faculty exchange Programme. Under this MoU, students from Hindu College have been doing summer and winter laboratory training in each academic year. Our students also attended various workshops and satellite programmes associated with it like scientific poster making, essay writing and popular lecture series.

Students under Exchange Programme

Mr. Andrew James Braithwaite from Edinburgh University, under Exchange Programme is pursuing B.A. (H) History.

Placement details

Number and percentage of student’s details: Approx. 86% of the students registered with the Placement Cell.

Number of companies visited for campus: More than 20 renowned companies and start-ups.

Extension and Outreach Activities

Extension activities in the College are organised through the NSS, NCC and some other societies, prominent being the environment society (*Panchtatva*), The Equal opportunity Cell (*Ankur*), Women's Development Cell (WDC), Enactus, etc. NSS organized several camps, Medical Camp, Blood donation camp, Cleanliness Drive, Collection Drive, Awareness Drive. NCC: Combined annual training camp, Representation in Sea attachment camp, Republic day camp, para sailing camp, Nau-Sainik Camp, Sailing Camp, Blood donation camp, and Yoga workshop.

Library Development

Total Budget - 933500 (Book Fund) +9,11,000 (Library Development)

No. of books added in 2017-2018 - 1197 books

Internet Facility - wifi facility available in the Library

Faculty Strength

Total number of faculty: 163

Financial Allocation and Utilization

Grant sanctioned: Rs. 3253.70 lakhs

Grant utilized: Rs.3253.60 lakhs

HOLY FAMILY COLLEGE OF NURSING

Major activities and achievements

Elections of (SNA) Students Nurses' Association body were held in September 2017. SNA is involved in assisting the co-curricular activities of students and helping the students. Students participated in various cultural, sports and educational activities of SNA, organised at State level throughout the year. In October 2017 students of college participated in MTNL Health Mela and Medico – Masti organized for all medical students in MAMC, Delhi. Students won several prizes for Poster Making & Slogan Writing in a competition conceived by Lady Irwin College. Annual fete was conducted for SNA fund raising on 30 January 2018. 2ND Annual convocation of Holy Family College of nursing was held on 23 March 2018. Dr Dinesh Arora, an IAS officer, Director of National Institution for Transforming India, NITI Aayog, was the Chief Guest of the convocation

Students with Distinctions

S. Sheryl ernesta of B.Sc.(H) Nursing IV Year Semester VIII secured 81.8% in 2017.

Purnima Das of B.Sc.(H) Nursing III Year Semester VI secured 81.88% in 2017.

Priya Susan Varghese of B.Sc.(H) Nursing II Year Semester IV secured 80.11% in 2017.

Monika of B.Sc.(H) Nursing I Year Semester II secured 76.1% in 2017.

Meenakshi Rautela of M.Sc. Nursing I Year Semester II secured 78.45% in 2017.

Publication

Tomer, A (2017) A study to evaluate the effectiveness of Green tea in reducing weight among obese women in urban area, Dehradun, *IJFIRM*, 3, 87-90.

Elizabeth, A. (2017) Case Report: plasma cell leukemia. *Indian Journal of Nursing Science*, 8, 81-86.

Neha. (2017) The problems faced by ASHAS- Quality study. *Journal of nursing Sciences*. 25-30.

Sharma, V., Thokchom, S. Chugani, M. (2017) Development Of Postograph For The Health Care Professionals In Selected Hospitals of Delhi. *International Journal Of Nursing And Midwifery Research*, 2: 28-31

Journals

Dr. Sumity Arora , Reviwer, In *Indian Journal Of Psychiatric Nursing*.

Seminars organized

Two days workshop organized by M.Sc. II yr. students on “Updating Skills in Critical Care Nursing” was attended by 57 Nursing Personnel of Holy Family Hospital

Two days state level workshop organized by M.Sc. I yr. students on “Emerging trends in Maternal & Child Health” was attended by 50 Nursing Personnel.

Six CNE were organized by M.Sc. Nursing (1 each specialty) and Post Basic Nursing students within the Hospital for Nurses.

One CNE was also conducted in MCH Centre Defense Colony for their Nursing Staff on “Obstetrical Emergencies”

Seminar / conference presentations

Dr. Raminder Kalra was a resource person for a workshop on Nursing management and leadership- An update by AIACHE at Janakpuri (10 October 2017-13 October 2017); National Conference on “Discipline and Leadership” at Sharda University; A workshop on “Changing world of Workplace” at AIIMS and International Mental Health Congress on “Continuum of Care” and “Emerging Needs of Mental Health”.

Dr. Sumity Arora Presented the research article on Knowledge of nurses regarding assessment of substance abuse in National conference on addiction psychiatry. 27 to 29 November 2017, at AIIMS, New Delhi .

Dr. Raminder Kalra and Dr. Sumity Tarafdar were panelist in the International Conference of World Federation for Mental Health World Congress 2017 from 02 November.2017 – 05 November 2017 at Ashoka Hotel.

Placement details

Number of students getting successful placements- 100%

Extension and outreach activities

Urban Community Health Experience was provided in collaboration with Community Health Department of Holy Family Hospital. Students participated actively in National Health Programmes and Health Awareness programmes through skit, role play, street plays and exhibitions. Students also conducted School Health Programme on monthly basis in Vidya Bhavan School and Cheshire Home Day Care Centre. They also actively participated in Govt. School Health Programs in different zones with PHN. Two Health Camps were organized in Subhash Camp & Tamoor Nagar. The college organized several health important days such as World Breastfeeding week was celebrated from 1 to 8 August 2017 with Role plays, street plays, exhibitions and health education by M.Sc. students (OBG) and B.Sc. Interns. World Mental Health Day was celebrated on 10 October 2017 with Role play, Health education and Poster and Slogan Making competition.

Library development

No. of Book Racks/ cupboards-Total number: 96; Nursing: 24

CD ROM's available for students: no

No. of Nursing books available: 1789

No. of latest edition Nursing books (since 1990): 945

No. of Nursing Journals Subscribed: 15 (11+5=15)

Internet facility available for students: Yes

Books purchased in the last financial year: 46

INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES

Major Activities and Achievements

An Indo-US Conclave was organised by the Institute on 13 April 2017 in the Institute premises in which US delegates, faculty members and students of the Master Degree participated. Self-Financing Fitness Trainer Course (FITCO) was conducted from 30 May 2017 to 30 June 2017 in the Institute. This course was attended by a no. of students of IGIPSS and other institutions. Incident Response System (IRS) in Disaster Management, Consumer Rights etc. as well as courses like orientation, refresher and others. The non-teaching staff trained by different courses conducted by Higher Education, Govt. of N.C.T. of Delhi such as

E-Governance, Procurement Process & Basic Computer Operation etc. Mass participation of students during the National Anthem was a unique activity for the first time in the system of University of Delhi.

Students with Distinctions

Meenu Dabas from M.P.Ed stood first by securing 88.17%.

Preeti Tyagi from M.P.Ed stood second by securing 84.64%.

Shalini Rathi from B.P.Ed. stood first by securing 88.40%.

Nidhi Singh from B.P.Ed. stood second by securing 84.59%.

Dhruv Arora from B.Sc stood first by securing 76.80%.

Publications

Pratibha, Bhatt, S A, Shaw, Dhananjay, (2017) “An Assessment of Sit and reach Flexibility of Male and Female Physical Education Students (A Comparative Study)”, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.2, ISBN: 978-93-85449-35-2

Bhatt, S A, Kumar, Ravinder, Shaw, Dhananjay, (2017) “Comparison of Maximal Oxygen Uptake (VO_2 Max.) Between Male and Female Sportspersons (A Comparative Study)”, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.3, ISBN: 978-93-85449-35-2

Kumar, Ravinder, Bhatt, S A, Shaw, Dhananjay, (2017) “Effect of Examination on Pittsburgh Sleep Quality Index and Pittsburgh Insomnia Rating Scale Score of Male and Female Sports Person from Schools of N.C.T Delhi, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.3, ISBN: 978-93-85449-35-2

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2017) “Kinematic analysis of hamstring curl exercise for lower extremities with 15 RM load”, An International Journal of Physiology, Nutrition and Physical Education, ISSN: 2456-0057 (pp. 446-451)

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2017) “Kinematic differences among the players/repetitions and between the gender in regard to right (dominant) leg lunges exercise for lower extremities with 15 RM Load”, An International Journal of Yoga Physiotherapy and Physical Education, Vol. 3, ISSN: 2456-5067 (pp. 51-56)

Kumar, Ravinder, Bhatt, S A, Shaw, Dhananjay, (2017) “Collateral Pressure Distribution at Planter Aspect of Standing Posture of Male Sportsperson as an Indicator of Balance Mechanism”, An International Research Journal of Management Science and Technology, Vol. 8, ISSN: 2250-1959

Shaw, Dhananjay, Ranjit, Kaur (2018) “Effect of Yoga on Stress, Depression and Anxiety”, A Journal of Yoga, Physical Therapy and Rehabilitation accepted and likely to be published in the month of March 2018.

Sharma, Rekha, Shaw, Dhananjay, (2018) “A Study on the Effect of Selected Yogic Practices on Resting Heart Rate and Blood Pressure” accepted and likely to be published in the month of March 2018.

Shaw, Dhananjay, (2018) “Professional and Academic Development in Physical Education and Sports Sciences to be Skilled India A Vision Document 2018”, Proceedings of 4th National Conference on Physical Education & Sports Sciences (under the aegis of Ministry of Youth Affairs & Sports), ISBN: 978-93-5300-165-0 (pp. 55-61)

Ahlawat, Umesh, Shaw, Dhananjay, (2018) “Kinematic Analysis of Quadriceps Extension Exercise for Lower Extremities with 15 RM Load”, Scientific Journal in Sports and Exercise (Laxmibai Sports Education and Welfare Society, Vol.14 ISSN: 0974-2964 (pp. 09-17)

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2018) “Kinematic differences among the players/repetitions and between the gender in regard to left (subordinate) leg lunges exercise for lower extremities with 15 RM Load”, An International Journal Academic Research and Development, Vol. 3, ISSN: 2455-4197 (pp. 167-173)

Shaw, Dhananjay, (2018) “Development of regression models for estimating maximal oxygen uptake (VO_2 max.)” of male youth of Kashmir (Habitat of high altitude)”, An International Journal of Physiology, Nutrition and Physical Education, Vol. 3, ISSN: 2456-0057 (pp. 167-173)

Journals published by the College - PRIYADARSHINI – 2017.

Number of College Teacher's serving as Editor(s)/Member(s) of Editorial Board -7

Seminar Organized

A Workshop and Training Programme on "Screening Evaluation Procedure For Applications For the Post of Assistant Professor and Roster of NTS" was organized by the Institute for Teaching and Non-Teaching Staff on 14 September 2017 which was addressed by the Assistant Registrar (Colleges), University of Delhi.

An Indo-Australian Conclave on "A Snapshot of our Current Psychology Research : Thinking Globally but Acting Locally" was organized by the Institute on 12 December 2017 which was addressed by the Dr. Steven Christensen and Dr. Andrea Lamont-Mills, University of Southern Queensland, Australia. The Chairperson, Governing Body also graced the occasion.

Conferences/Workshops

A Workshop and Training Programme on "Governance of Colleges" was organized by the Institute for Teaching and Non-Teaching Staff on 13 September 2017 which was addressed by the Joint Registrar (Colleges), University of Delhi. The Chairperson, Governing Body also graced the occasion.

A Workshop and Training Programme on "Screening Evaluation Procedure For Applications For the Post of Assistant Professor and Roster of NTS" was organized by the Institute for Teaching and Non-Teaching Staff on 14 November 2017 which was addressed by the Assistant Registrar (Colleges), University of Delhi.

Seminar/ Conference Presentation

Dr. Dhananjay Shaw served as Resource Person in a workshop of Games and Sports Teacher on 05 August 2017 on the topic "Why Sports Education in School Curriculum – A Scientific Basis and Overview" organised by BBPS Training Centre (C/o Bal Bharti Public School, Pitampura, Delhi).

Dr. Dhananjay Shaw served as Resource Person in a Refresher Course in E-Learning and Digital Learning for the University and College teachers of all streams on 15 September 2017 organised by CPDHE, University of Delhi.

Dr. Dhananjay Shaw presided as Reviewer and Chairperson for the Conference entitled AIFF International Football coaching Conference (IFCC – 2017) organised by Amity University, Noida in Collaboration with All India Football Federation (AIFF) on 11-12 October 2017.

Dr. Dhananjay Shaw presided as Chairperson in the Session in the International Conference on Sports Engineering (ICSE) organised by BITS, Pilani in association with the International Sports Engineering Association, UK under the auspices of Ministry of Youth Affairs and Sports, New Delhi on 23-25 October 2017.

Dr. Dhananjay Shaw served as Resource Person in the TWIF Development & Training Workshop conducted by Tug of War International Federation (TWIF) held at International Youth Hostel, 5, Nyaya Marg, Chankya Puri, New Delhi, India from 7-10 November 2017.

Dr. Dhananjay Shaw invited as Speaker in two-day 4th National Conference on Physical Education & Sports Sciences (NCPESS-2018) organized by Physical Education Foundation of India (PEFI) & Sports Authority of India (SAI) under the aegis of Ministry of Youth Affairs & Sports on 09-10 February 2018 and presented Lead Paper "A Vision Document 2018".

Dr. Dhananjay Shaw served as Resource Person in the International Conference on Issues & New Ideas in Sports Management organized by Lakshmibai National Institute of Physical Education, Gwalior and Ministry of Youth Affairs, Govt. of India held at Vigyan Bhawan, New Delhi and Vishwa Yuvak Kendra, New Delhi from 8 March 2018 to 10 March 2018.

National/International MoUs Signed

MoU signing is under process with various Institutions of National and International repute.

Placement Details

Total number of students placed in companies=123

Extension and Outreach Activities

Vigilance Awareness Week was observed in the Institute with full zeal and enthusiasm where a pledge taking ceremony was organized on 30 October 2017 in which teachers, non-teaching staff and students of all classes took pledge. Annual Athletic Meet - 2018 was held on 15 March 2018 at IGIPSS Athletics Track organized by the Department of Athletics, Indira Gandhi Institute of Physical Education and Sports Sciences.

Library Development

Successful implementation of digital library, users of IGIPES have access to the full text documents in digital format i.e. old question papers, M.P.Ed., B.P.Ed and B.Sc. Syllabus, all Ph.D. thesis and all M.P.Ed. Dissertations awarded from 2013 onwards. Presently IGIPES library database “Vidya: Library Management Software” put on-line through XAMPP Server. Total Library collection 12489 (9012 Accessioned Books, 2173 Reading Room, 706 Thesis and 598 Department Books) has been computerized in the database and Bar-coded which is searchable through Online Public Access Catalogue (OPAC). Library has organized three library orientation programs to enhance the use of physical and digital information resource.

Faculty Strength

Total number of faculty: 27

Financial Allocation and Utilization

Grant sanctioned: Rs. 137000000 /-

Grant utilized: Rs. 104113444 /-

Any Other Significant Information

Five students have been awarded Ph.D. which were supervised by teaching faculty of IGIPES

INDRAPRASTHA COLLEGE FOR WOMEN

Major activities and achievements

The College introduced Honors Courses in Geography and Sociology enhancing the College's Liberal Arts profile. A Cartographic Laboratory was created. National Science Day was observed engaging departments of Mathematics, Computer Science, Environmental Studies, Psychology and Geography. Two Research and Learning Resource Centres - Music Archives and Listening Room and Sanskrit Studies and Research Centre were created. *Sahapedia*, an Online Journal on Heritage, History and Culture posted the History of the College on its web portal and YouTube using the College Museum and Archives. The renovated, redesigned and refurbished Kalavati Gupta Hostel reopened with an increased capacity of 280 seats. The College's journal - Journal of Innovation for Inclusive Development (JIID) obtained a listing in the International Directory of Open Access Scholarly Resources (ROAD). The College hosted the Second Delhi Hindi Mahotsav in collaboration with Vani Foundation. The College was awarded for its proactive environment and waste management policies.

Honors/Distinctions

Dr. Babli Moitra Saraf, Principal, International Award by All Ladies League & Women Economic Forum, 2017 for “Women of the Decade in Academia”, 13 May 2017.

The College received the World Ecology Environment and Development (WEED), award in the 26th World Environment Congress organized by the Indian Institute of Ecology and Environment.

Dr. Jyoti Trehan Sharma, Venus International Awards by Venus International Foundation, Chennai, India for “Distinguished Women in Social Science”, 4 March 2017.

Dr. Jyoti Trehan Sharma, Active Young Researcher Award by AR Research Publication and Conference World, India for Significant Contribution in the Field of Research, 12 September 2017.

Dr. Harsh Bala Sharma, Active Young Researcher Award by AR Research Publication and Conference World, India for Significant Contribution in the Field of Research, 14 September 2017.

Students with Distinctions

Principal's Honor Roll for Individual Initiative & Significant beyond Curriculum – awarded to 18 students.

Projects sponsored under the Undergraduate Centenary Decade Research Grant 2017 – 5 projects to students.

Shreya Saksena, represented India for Shooting in Plzen, Czech Republic and Suhl, Germany.

Sports: International Level – 1 Bronze Medal; National Level – 5 Gold Medals and 2 Silver Medals; National Records in Shooting Championships - 3

Publications

Saraf, Babli Moitra, (2017) *Hey Diddle Diddle: Tun-Tun Tara-Tara*, Vani Prakashan, New Delhi, India, ISBN No. 978-93-87409-45-3.

Gupta Ayush, (2017) *Vaisheshik Darshan Mein Dravya Mimansa*, Kalpaz Publication (Delhi, India), ISBN No. 978-93-5128-342-3.

Kumari, Bibha, (2017) *Shabdo ke Pare*, Pothi.com, ISBN No. 978-93-5267-975-1.

Kumari, Bibha, (2017) *Nainh ta Kanh Par*, Navarambh Prakashan (Patna, India), ISBN No. 978-93-820-13-655.

Oberoi, Bindu, (2017) *The Textile Industry in India: Changing Trends and Employment Challenges*, Oxford University Press (New Delhi, India), ISBN No. 978-0-19-946935-2.

Kumar, Kuldeep, (2017) *US Policy Towards Pakistan, 1980-88*, Gyan Book Publication (New Delhi, India), ISBN No. 978-93-5128-204-4.

Das, Nitoo, (2017) *Cyborg Proverbs*, Poetrywala (Mumbai, India), ISBN No. 978-93-82749-59-2.

Sengupta, Debjana, Jalil, Rakshanda and Saint, Tarun, (2017) *Looking Back: The 1947 Partition of India 70 Years On*, Orient Blackswan (Delhi, India), ISBN No. 978-93-86689-56-6.

Bhargava, Meena, (2017) *Frontiers of Environment: Issues in Medieval and Early Modern India*, Orient Blackswan (Hyderabad, India), ISBN No. 978-93-86392-78-7

Pant, Rashmi, Balachandran, Aparna and Raman, Bhavani, (2018) *Iterations of Law. Legal History from India*, Oxford University Press (Delhi, India), ISBN No. 978-0-19-947779-1.

Journals Published by the College

Journal of Innovation for Inclusive Development (ISSN 2456-4478)

Journal of the Centre for Earth Studies

CODE, Journal of the Translation and Translation Studies Centre

Number of College Teachers serving as Editor(s)/Member(s) of Editorial Board: 17

Research Projects

University Grant Commission, July 2015 – July 2018, Subversion on the Margins: A Study of Folk Songs and Oral Narratives from the Regions of Bihar and Bengal, Rs. 7.5 lakhs

Indraprastha College for Women, 2017 - 2018, Locating Siri in Time and Memory, Rs. 12,000/-

Indraprastha College for Women, 2017 - 2018, Online Navigation Map for Indraprastha College, Rs. 15,000/-

Indraprastha College for Women, 2017 - 2018, Democratic Peace Theory: Is War a Means to Peace, Rs 15,000/-

Indraprastha College for Women, 2017 - 2018, The Gandhian Solution: Finding Alternate Answers for Current Indian Developmental Issues by exploring Gandhi's Ideas, Rs 3,000/-

Seminars Organized

Dr. Milena Brateova, Sofia University, Dr. Tomoko Kikuchi, Japanese Writer, Dr. Babli Moitra Saraf, Principal, Indraprastha College for Women, Dr. Rekha Sethi, Department of Hindi, Indraprastha College for Women, International Symposium on Translation '*The Cultural Challenge*', 02 February 2018.

Josephine Kamsvag, Norway, Patricia Hiramatsu, Japan, Raka Singh, Belgium, Spouses of Heads of Missions (SHOM), and Dr. Babli Moitra Saraf, Principal, Indraprastha College for Women, *Negotiating Other Cultures and Languages-Thrills and Travails of Translation*, 8 September 2017.

Prof. R.B. Singh and Prof. Anu Kapur, Department of Geography, University of Delhi, Dr Ashis Saha, Delhi School of Economics, University of Delhi, Dr. Meena Bhargava and Dr. Surabhika Maheshwari, Indraprastha College for Women, '*Disaster Vulnerability: Coping Strategies*', 13 October 2017

Dr. Sudeshna Basu, Department of Mathematics, George Washington University, *Mathematics and Politics*, 25 August 2017.

Dr. Hephzibah Israel, University of Edinburgh, *The Many Purposes of Translation in India: Re-reading National Histories*, 25 August 2017.

Conferences Organized

International Conference on *The Fragmented Self: An Interdisciplinary Exploration into the Notions of Self and Identity in Contemporary Life*, 30-31 October 2017, Department of Psychology, Indraprastha College for Women.

Fourth Round Table Conference on *Gandhi Environment and Sustainability*, 06 April 2017, Centre for Earth Studies and Gandhi Study Circle, Indraprastha College for Women.

Indoor Air Pollution: 'How Safe are We at Home?', 22 September 2017, Department of Environmental Studies, Indraprastha College for Women

Seminar/Conference Presentations

Saraf, Babli Moitra, *Two Traditions of Oral Performance: the Case for South Asia Research Workshop on Translation and the Tradition of Oral Performance*, 24-28 April 2017, NIDA Institute at the San Pellegrino University Foundation (FUSP), Misano, Italy.

Saraf, Babli Moitra, *The Limits of Translation Language and Culture*, 8 May 2017, Department of Italian, University of Oslo, Norway.

Saraf, Babli Moitra, *Finding a Place: Two Case Studies of Translating from India, World Literature in the Periphery*, 11-12 May 2017, Department of Literature, Area Studies and European Language, University of Oslo, Norway

Saraf, Babli Moitra, *Translating Embodied Languages: an Indic Perspective on Multimodal Texts, Intersemiotic Translation, Adaptation, Transposition: Saying almost the same thing?*, 10-12 November 2017, Department of English Studies, University of Cyprus, Cyprus.

Saha, Anindita Roy and Singh, Govind, *Why is the Waste Sector Wasting Too Many Business Opportunities? A Case Study of Delhi, India, Sustainable Waste Management and Environment Protection through Innovation, Integration & Involvement*, 15-17 December 2017, International Society for Solid Waste Management, Air and Water, Hyderabad.

Anshu, *Living through an Early Pregnancy Loss-An Autoethnographic Account, Psychology of Women Section (POWS)*, 12-14 July 2017, British Psychological Society (BPS), Windsor, London, United Kingdom

Srivastava, Anshu, *Measuring Empowerment through Feminist Lens in South Asia, Governance, Human Rights and Regional Cooperation in South Asia: Opportunities and Challenges of Globalization*, 19-20 April 2017, UNESCO Madanjeet Singh Institute of Kashmir Studies, University of Kashmir, Srinagar and HRDC Jamia Millia Islamia, New Delhi.

Khurana, Gunjan, *A New Numerical Method of Order Two in Time and Four in Space based on Third Degree Polynomial Spline Approximations for 1D Quasi-linear Hyperbolic Equations, Current Trends in Theoretical and Computational Differential Equations with Applications*, 1-5 December 2017, South Asian University, New Delhi.

Sharma, Harsh Bala, *The Irony of Being the Common Man, Recent Research Development in Environment, Social Science and Humanities*, 6 August 2017, ICRRDESH 2017 Indian Federation of United Nations Associations, New Delhi.

Sethi, Rekha, *The Feminist Voices from the Margins of Caste and Class: in Context of Temporary Hindi Poetry*, *New Directions in Humanities*, 5-7 July, Imperial College, London, United Kingdom.

National/International MoUs Signed

International: International Award for Young People

National: Balipara Foundation, Assam for the purpose of knowledge sharing, internship and volunteering activities in the North East on ecology and sustainable development.

Greenobin Recycling for paper waste recycling.

Other Inter-Institutional Collaborations

Several collaborations were made this academic year. To name a few, All India Foundation for Peace and Disaster Management, Sahapedia, Vani Foundation, Embassy of Sweden, IIT Bombay, National Physical Laboratory, National Skill Development Corporation- Team Lease, International Bridge of Justice, I-MADE, INTACH, Hindustan Times, Enactus, Delhi Heritage Walks (Book Club), International Award for Young People, Wildlife Rescue, Heritage Associates, Jaagruti, Daily Dump, Greenobin, Indian National Association for the Club of Rome, Kusumanjali Foundation, National Association for the Blind, Saksham, Teach for India, Score Foundation etc.

Placement Details

Number and percentage of students placed: 28, (19.17%)

Number of Companies visited for campus recruitment: 8

Extension and Outreach Activities

The College is an Animal Friendly Campus and Rescued Birds Release Zone. It has adopted the Khyber Pass community of daily wage construction workers, fruit and vegetable sellers and hawkers under the NSS Outreach Programme. It takes care of education and literacy, health and sanitation, awareness and recreation among the members of the community. The College volunteered as a centre for the Central Registration process for University Admissions. The National Volunteering Week was observed with activities such as paper bag making and cleanliness drive. Stalls were put up at the Delhi Cantonment, Dilli Haat and Indira Gandhi National Centre for Arts to showcase the products of project *Aipan*. College collaborated in outreach activities of NGO's like 'Leaders for Tomorrow', 'Goonj', 'Make a Difference', 'Teach for India', 'Butterflies', 'UMEED', which encouraged students to inculcate values of citizenship and sharing.

Library Development

Books added during 2017-18: 136

Online Services: OPAC, UGC-NLIST, DELNET

Reprographic Service: Photo copying and printing service

Book Bank Service: Text books for EWS students

PH/VH facilities and services: Fully accessible through Lift, Special cubicles with Computers, Three-in-One Angel Pocket Daisy Player, Daisy Books (Talking books), Braille Books, Braille Magazines, Braille Reference Books – Dictionaries, Jaws enabled computers with scanner, Embosser (Braille Printer)

Lex-Air Camera (Print assisting device) with Notebooks

Library Extended Services: Punjabi, Bengali, Hindi, Sanskrit and English translations are available in the Translation and Translation Studies Centre

The Under-One-Roof facility of the Enabling Unit offers Auxiliary Services of the Library-ICT Centre

Faculty Strength

Total number of permanent faculty: 88

Total number of temporary faculty: 08

Total number of Ad-hoc faculty: 73

Financial allocation and Utilization

Grant sanctioned: Rs. 40,49,47,000/-

Grant utilized: Rs. 30,19,84,596/-

Other Significant Information

The renovated, redesigned and refurbished Kalavati Gupta Hostel and IP Hostel were reopened with total capacity of 450 seats. First National Science Day was observed in the College, engaging with departments of Mathematics, Computer Science, Environmental Studies, Psychology and Geography. Department of Geography in collaboration with the CES organized the World Disaster Reduction Day. The College's journal - *Journal of Innovation for Inclusive Development* obtained a listing in the International Directory of Open Access Scholarly Resources (ROAD). The College hosted the Second Delhi Hindi Mahotsav in collaboration with Vani Foundation. It also staged its Annual Play, STATION.

INSTITUTE OF HOME ECONOMICS

Major Activities and Achievements

Institute of Home Economics today occupies a premier stature amongst the Higher Educational Institutes in India disseminating meaningful, contemporary knowledge and education to women. IHE offers undergraduate courses in Home Science (Hons. and Pass), Microbiology Hons, Biochemistry Hons, B.El.Ed, B.Sc. (Hons) in Food Technology and BA (Hons) in Journalism. PG courses and Ph.D are also offered. The Institute has excellent infrastructure and an outstanding faculty. The faculty of the college is actively involved in Research and Extension activities. During the year 2017-18 we have had about 41 ongoing Ph.D.'s. and 7 completed Ph.D's. To add to this, we have about 15 ongoing projects and a long list of publications. The vision of IHE is to provide an absorbing learning environment complemented with encouragement for co curricular activities aimed at the holistic personality development of every student.

Honours / Distinctions

Dr. Geeta Trilok Kumar: Member of Scientific Advisory Committee (SAC) of National Agri-Food Biotechnology Institute (NABI) from 2016-2019.

The faculty serves as member of expert groups and core committees with various Ministries and organizations of National and International standing. Ministry of Women and Child Development, Ministry of Health, J&K Government, National Trust for persons with Disabilities, NIPCCD, SCERT, Delhi Public School and UNICEF are a few to mention among them.

Suruchi Garg and Nimisha Sharma (III year Hons) won the 2nd prize in poster presentation held on 28 February 2018 at the National Science Day organized by INSA and Indian Academy of Science.

Anjali Gaur: Won gold medal in Delhi University inter- college taekwondo tournament 2016-17; Represented Delhi University at the all India inter-university taekwondo tournament 2017 held at mdu Rohtak; Won silver medal in inter college taekwondo competition held at university stadium, University of Delhi.

Dr. (Mrs) Poonam Magu was awarded 'Teacher of Excellence' in Principals' Summit 2017, organised by Manipal University, Jaipur on 21 April 2017.

Students with Distinctions

Food Technology - Ms. Kirti Rawal 91.68%

Biochemistry (Hons) - Ms. Prerna Gopal 89.77%

Home Science (Hons) - Ms. Paramjeet Kaur 89.61%

Microbiology (Hons) – Ms. Tripti Kharbanda 87.62%

Home Science (Pass) – Ms. Keerti Naval Wadhwa 85.67%

B.El.Ed.- Ms. Manisha Shokeen 79.04%

Publications

Gupta, S., Arora, K., Trilok-Kumar, G. (2018) Zinc Content of Cereals and Pulses in Delhi. *The Indian Journal of Nutrition and Dietetics*, 55(2): 227-241.

Aggarwal, S., Goswami, S., Nayyar, T., & Kumar, K. (2018) Gender gaps in Digital Literacy: Perspective of urban rural space. *International Journal of Movement Education and Social Sciences*, 7(Spl Issue 1), pp 219-226. ISSN No. 2278-0793

Chaudhary, H., Gupta, C., Gupta, D. (2017) 'Application of Box Behnken design to optimize the parameters for chemical modification of polyester using sodium hydroxide', *Man made textiles in India*, SASMIRA, November, pg 373-378, ISSN no. 0377-7537.

Christopher PF Marinangeli, Julianne Curran, Susan I Barr, Joanne Slavin, Seema Puri, Sumathi Swaminathan, Linda Tapsell, Carol Ann Patterson. (2017) Enhancing nutrition with pulses: defining a recommended serving size for adults. *Nutrition Reviews*, 75(12): 990–1006.

Chandra, R.; Gulati, R. & Sharma, S. (2017) Quality Early Childhood Care and Education in India: Initiatives, Practice, Challenges and Enablers. *Asia-Pacific Journal of Research in Early Childhood Education*, 11(1), 41-67.

Atheya, R., & Arora, R. (2017) Brunt of stress in managing work-life balance of banking sector employees. International Journal of Applied Home Science, Volume 4 (11& 12), November & December, pp. 1111-1119, ISSN: 2394-1413, RNI: UPENG/2014/3966.

Dalal, J., Pannu, P., Yadav, N. (2017) 'Interface of Mobile Technology in Health and Agriculture: Reflections from the Field' in S. Tikoo (Ed.), Sustainable Development of Women (pp. 600-610). New Delhi: Mark Books. ISBN: 978-93-83131-73-0

Naseem, A., Bhat, Z.I., Kalaiarasan, P., Kumar, B., Gandhi, G., Rizvi, M.M.A (2017) Genetic and epigenetic alterations affecting PARK-2 expression in cervical neoplasm among North Indian patients. Tumor Biology. 39 (6); 1-13

Kashyap, A., Gupta, R., Sharma, R., Verma, V.V., Gupta, S., et al. (2017) New Delhi Metallo Beta Lactamase: Menace and its Challenges. J Mol Genet Med 11: 299 doi: 10.4172/1747-0862.1000299

Suri, M., Sharma, R., Saini, N. (2017) Neuro-Physiological Correlation Between Yoga, Pain And Endorphins. International Journal of Adapted Physical Education and Yoga, Vol. II. Issue.9. pp. 18-32. (ISSN 2455-8958), Impact Factor 4.215 IFSIJ

Manjula, S., Sharma, R., Saini, N. (2017) Physiological responses of Zumba: An overview understanding the popular fitness trend. Indian Journal of Physical Education, Sports and Applied Science, Vol.7, No.4, ISSN-2229-550X (P), 2455-0175 (O)

Number of college teachers serving as Editor (s)/ Member (s) of Editorial board: 7

Research Projects

Nutritional status of young children living in slums of south Delhi. Project Investigator: Dr. Geeta Trilok-Kumar,

Professor Rosalind Gibson and Professor Lisa Houghton, University of Otago, New Zealand. Duration: 2 Years.

Funding Amount and Agency: NZD 53, 463 by UGC and New Zealand Research Council. India- New Zealand

Education Council grant.

Project: Consumer Acceptability of Multiple Nutrient Fortified Salts. Project Investigator: Dr Seema Puri and Dr Tejmeet Rekhi. Duration: 6 months. Funding Agency: The India Nutrition Initiative – TATA Trust and Nutrition Impact Solutions.

Funding: Rs. 5,16,000 Lakh

Jyoti Dalal: (ongoing) Project Director, ICCSR minor research grant on 'An Ethnographic Study of Violence in School Practices'

Seminars/ Workshops organized

Half day Orientation Programme was organized on 31 July 2017 for B.Sc. Food Technology, M.Sc., PGDDPHN and PGDHSG students of the Department. Dr. Shweta Khandelwal (PHFI, Delhi) and Mr. Ratan Mishra (Britannina Ind. Ltd.) were invited as Guest speakers. They appraised students about future prospects in the area of Public Nutrition and Food Industry respectively.

Session on Women Entrepreneurs: For developing entrepreneurial skills, an interactive session was organised on 3 August 2017 for the students of B.Sc. (Pass) Home Science, Semester - V. The session was conducted by Ms. Tripti Shinghal Somani, Managing Director and CEO, COWE (Confederation of Women Entrepreneurs).

Workshop on 'Designing Moodboards in Interiors': A workshop was organised by Pearl Academy on 31 October 2017 to train the students to design moodboards on various themes.

Department of Biochemistry with PETA organized a two day symposium "REPLACING REGULATORY EXPERIMENTS ON ANIMALS: Introduction to *In Silico* Models and *In Vitro* Test Methods" on 26-27 October 217

"An interactive career counselling session" was held on 4 September 2017 by Mr. Priyank Singhvi, phd scholar from National Institute of immunology.

Conferences Organized

The Microbiology department celebrated its silver jubilee by organizing a two-day conference – “Microbiology: Current Challenges and Future Trends” on 10 -11 January 2018

One- day consultation workshop on ‘Mapping the vulnerability of women in India to climate’ change under the Project entitled ‘Mapping the Vulnerability of Women in India to Climate Change at the sub-National Scale’. As part of India’s Third National Communication (TNC) to the UNFCCC on 18 May 2018. Funding agency: (MOEFCC), Government of India

Seminar/Conference Presentations

Panel Moderator for Session IV- ‘Empowering the Villagers’ *Smart Village Conclave* under One Mega Event. Co organisers Centre for Excellence IOT (Internet for Things), a joint venture of MeitY, ERNET and NASSCOM; ITPO (India Trade Promotion Organisation) and Exhibitions India Group. Held on 25th May, 2018, Conference Room E, Hall 12, Pragati Maidan

International Conference on Women’s Work & Occupational Health- Emerging Issues, Challenges & Policy Measures in the Unorganized Sector (WWOH-2018) held at Arya PG College (College with Potential for Excellence Status by UGC), Panipat (Haryana), India, on 24th & 25th March, 2018 and presented Papers “Online Activism on Violence against Women in India” by Ms. Swati Mirani Dr. Parveen Pannu, Dr.Charru Malhotra and Paper “Interface of Mobile Technology in Health and Agriculture: Reflections from the Field by Neha Yadav, Parveen Pannu, Jyoti Dalal

Aggarwal, J., Verma, V., 2017, ‘Factors Affecting Clothing Preferences of College Going Girls’, presented at second International Conference on Apparel, Textiles and Fashion Design, Colombo, Sri Lanka, March 24-25

Arora, G., Aggarwal, J., 2017, ‘Impact of Media on Body Image and Clothing Preferences amongst Women’, presented at National Seminar on Women and Development: Issues and Challenges, sponsored by ICSSR, held at Lakshmi Bai College, University of Delhi, on March 3-4

Dr Seema Puri presented on “Consumer Acceptability of Double Fortified Salt”, at Dissemination Workshop for DFS Goes to Scale - Scaling up Production and distribution of Double Fortified Salt, IDRC and TINI, New Delhi, 7 June 2018.

Dr Seema Puri “Ensuring successful ageing in the 21st century: Challenges for home economists”: Keynote Address at IFHE Council and Symposium 2018, Khartoum, Sudan, 25Feb- 1 March 2018.

Mishra, S. (Apr. 2017). Presented paper titled '*Cloud and River as Lovers- Role of Grammatical gender in Hindi songs*' in International symposium on Figurative Thought and Language, Osijek, Croatia. (Awarded for outstanding presentation).

Dr. Ritika Kar Bahal: poster presentation at the “5th Global Forum for TB Vaccines”, International Conference, New Delhi, India, February, 2018. Poster title: *bioA mutant of Mycobacterium tuberculosis shows severe growth defect and imparts protection against tuberculosis in guinea pigs*.

Aggarwal, S & Nagpal, Nitika (2018). Microbiological assessment of Drinking Water in Hauz Khas, New Delhi. Poster presented at National Science Day, New Delhi.

Other Inter – Institutional Collaboration

The department of Human Development and Childhood Studies collaborated with various organizations working in the field of child rights, human rights, gender, education, disability, adolescent well-being and mental health issues.

To inculcate scientific aptitude & to orient the students in innovation and research, the Microbiology department is also a part of ‘Science Setu Programme’ conducted by NII.

Placement Details

9 students opted for job placements out of 50 students.

Extension and outreach Activities

A workshop was organized for school students on 28 November 2017 on Basic techniques of Microbiology under star college scheme. The College has started a project ‘Sanrachna’, an initiative to provide employment to underprivileged women and girls by providing them with the skills of making creative accessories from remnant clothes like bow pins, rubber bands, earrings, hand bands etc. These products were displayed for sale in various college fests. Around 100 volunteers of NSS unit from the college actively participated in various activities that involved working with the community, markets, metro

stations, NGOs, schools and college students. Events like Swachhta Pakhwara and Unity week were conducted to motivate general public regarding cleanliness of public places. VISAKA campaign was organized to educate and mobilize shopkeepers of nearby markets for adopting digital payments.

Library Development

The Institute has a fully computerized library with adequate infrastructure and a rich collection of more than 25,000 reference materials in the form of text/reference books, journals, thesis and periodicals. The Institute subscribes to nearly 40 national, international and DU journals. A bar code system with smart cards and scanners is used for the circulation of books. Laptops are available to students for finding the location of books in library and accessing online resources made available by Delhi University.

Faculty Strength

Total number of permanent faculty: 45

Total number of Ad-Hoc faculty: 48

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Financial Allocation and Utilization

Grant Sanctioned: Rs. 2074.29 Lakhs

Grant utilized: Rs. 2388.63 Lakhs (unaudited)

Other Significant Information

In the pursuit of promoting excellence in extra curricular activities, IHE has various societies viz. Arts, Western Dance, Fashion, Classical Indian Music, Drama, Literary and Debating. Each of these societies have won accolades at various forums in the University and beyond.

JANKI DEVI MEMORIAL COLLEGE

Major Activities and Achievements

Janki Memorial College completed the process of accreditation by the NAAC and was awarded a B++ grade (2.76) on 12th September 2017. Braille signage and tactiles have been added within the building as well as outside. An emergency entry/exit has also been created at the main entrance. The signage system throughout the college has been overhauled. The Basket Ball Court has been reconstructed and it promises to provide the best court facility to a future Basketball team of the college. The construction work of the Hostel named 'Krishna' is now completed. Apart from infrastructural changes the college has strengthened its administration by procuring automation software that takes care of Admission, Time Table, Monthly Attendance, Internal Assessment, Stock Management, Maintenance of Leave Record, Payroll and financial accounting etc. Apart from this an event TEDx JDMC was independently organized under TED event for the first time ever by Ananya Malhotra and her team. The event was a thumping success and one which promises to propagate ideas and welcome innovation. 11 speakers from different fields shared their ideas and innovations.

Outstanding Honours/Distinctions

Girl Centric Tertiary Education and Training Award at World Women Summit organised by the Women's Agency for Generating Employment on 8 March 2018 on the occasion of International Women's Day.

World Ecology, Environment and Development (WEED) Award at 26th World Environment Congress organised by Confederation of Indian Universities, Indian Institute of Ecology and Environment, National Institute of Cleanliness Education and Research on 8 November 2017.

Dr. Rajyalakshmi of Sociology Department received Be the Change - Nari Udhya Award on 5 September, 2017 celebrating Teacher's day from Gandhi Smriti and Darshan Samiti and Chetana (NGO).

Dr. Saumya Gupta, History Department, was awarded the Charles Wallace India Trust Research Grant 2017-18 for research in UK

Dr. Swati Pal, was awarded with Exceptional Women of Excellence in Academia 2017 by All Ladies League and Women Economic Forum for her contribution to the academic world

Students with distinctions

B.A. (Hons) Economics 3rd year - More than 88% students secured first division

B.Sc. (Hons) Mathematics 3rd year - More than 90% students secured first division with 98.31% pass results.

B.Com (Hons) 3rd year – More than 86% students secured first divisions with 98.63% pass results.

In second year, B.A. (Hons) English, Hindi, Political Science and B.Sc. (Hons) Mathematics secured 100% result.

B.A. (Hons) History, B.Com (Hons), B.Com and B.A. (Prog) secured more than 98% pass results.

Publications

Murthy, Bhanu, K.V., Gambhir, S. (2017) International Trade and Foreign Direct Investment: Empirical Testing of the Trade-Environment Triangle. *Transnational Corporations Review*, vol. 9, no. 2: pp.122-134.

Charan, A., Puri, P., Bansal, E. (2017) Social Media Marketing and Cognitive Development in Indian Youth. *Delhi Business Review- An International Journal of Society for Human Transformation & Research*. Vol. 18, no.1, : pp.101-113.

Bansal, S. (2017) Convergence and Regional Disparities across Major Indian States. *VEETIKA-An Interdisciplinary International Research Journal 2015 QT Analytics*. Vol. 3, no. 4

Jolly, T. (2017) Demonetisation and its Implementation in Financial Reformation. *Business Sciences International Research Journal*. Vol. 6, no. 1, : pp. 41-49. ISSN 2321-3191.

Pal, P. (2017) Social Security Provisions for India's Informal Economy. *International Journal of Research in Social Science and Humanities*. Vol. 7, no. III, : e-ISSN: 2249-4642, p-ISSN: 2454-4671.

Pal, P., Kumar, A. (2017) Some linkages of Irrigation with Productivity. *International Journal of Social Science and Economic Research*. Vol. 3, no. 1, : pp. 361-370. ISSN: 2455-8834.

Manchanda, D. (2017) Farmer Crisis in India and Loan Waiver Policy. *Research Directions International Multidisciplinary Research Journal*. Vol. 5, no. 6, : ISSN: 2321-5488.

Khandelwal, P., Jasmin. (2017) Does Inequality Lead to Greater Inequality in India? *International Journal of Research in Humanities, Arts and Literature*. Vol. 5, no. 9, : pp. 81-102. ISSN (P): 2347-4564, E-ISSN:2321-8878

Jain, I. (2017) Feminist Processes and Performance: Interventions in Anamika Haksar's Antar Yatra. *Theatre Research International* 42.3: 333-341.

Madhwi. (2017) International Network for the History of Hospitals: IV. *Society for the Social History of Medicines*, The Gazette, no. 78. University of Oxford, UK

Research Projects

Oxford University Press 2017-18 (12 Months) - Virtual Learning, Teaching Simulation Project. Rs. One Lakh, Mentor – Dr. Swati Pal, Principal

Seminars Organized

Department of Commerce in collaboration with the Department of English, JDMC - Prof. Annette Ammeraal, IBMS Lecturer Marketing, University of Applied Sciences Utrecht delivered a lecture on “Strategies in Emerging Markets”. 10 November, 2017.

Department of Economics - Mr. Kushal Mohta, Academic Regional Manager, Endeavor Careers. “How to Crack Personal Interview through Effective Communication”. 17 January, 2018.

Ms. Sunita Malhotra, the resource person from World Bank. “Open Data Development Initiatives” delivered a talk on 13 September 2017.

Department of English - Dr. Oinam Kamala Kumari, Assistant Professor, Amity University, Noida (U.P.) delivered a lecture on “Manipuri Poetry and Thangjam Ibopishak”. 8 November 2017

Department of HDFE - Dr. Sanjay Sachdeva, Director, Max Health Care (ENT) delivered special lecture on “Hearing Impairment in Children”. 28 February 2018.

Conferences Organized

Mr. T.S. Gopal, Honorary Secretary, Scientific Research Association for Economics and Finance (SRAEF), Chennai on the topic “Economics Beyond Textbooks: In Day to Day Life”. 6 Feb. 2018.

Dr. Fransisco Marmolejo, Lead Tertiary Education Specialist, World Bank on “Skill Development in India”. 24 October 2017.

Prof. Sunil Kanwar, Delhi School of Economics on “Science, Technology and Innovation in India”. 27 September 2017.

CA Rajeev Saxena on “Goods and Services Tax”. 30 August 2017.

Seminar / Conferences presentations

Rajshree Chandra. “Forest Rights: Notes on an Alternative Political Agenda for Property Rights”. Law Society Association (USA), Mexico City. 20 June, 2017.

Namita Sethi. “Secret History in Eliza Haywood’s Memoirs of a Certain Island Adjacent to Utopia and The Secret History of the Present Intrigues of the Court of Caramania. 47th International Annual Conference of the British Society of Eighteenth-Century Studies. St. Hugh’s College, Oxford, UK. 3-5 January, 2018

Saumya Gupta. "Of Vitamins and Minerals: A New Vocabulary for the Post Colonial Indian Kitchen". International Workshop on Contours of Culinary Transformations in South Asia, Nakanoshima Center, Osaka University, Osaka Japan, 26 September, 2017

Saumya Gupta. "Traditional Cuisine, Modern Kitchen: Reimagining Everyday Cooking in Post Colonial India," Paper presented at the 30th Annual Conference of the Japanese Association for South Asian Studies (JASAS), Tokyo University, Tokyo, Japan. 23-24 September, 2017.

Saumya Gupta. "You are What you Eat: Caste and Cuisine in India," at the Association for Asian Studies (AAS-in-Asia) Conference, Asia in Motion: Beyond Borders and Boundaries, Seoul, South Korea. 25 June, 2017.

Neelu Verma. "Internet Impact: A Study on Ill Effects of Internet on User", 11th International Conference organized by Tecnia Institute of Advanced Studies, Delhi. 15 April, 2017

Trisha Jolly. “Demonetisation and its Implementation in Financial Reformation”, International Conference on Corporate Social Responsibility, Demonetization, Globalization and Business Sciences, IMRF, Mysore, Karnataka, India. 19–20 January 2018.

Puja Pal. “Global Agro Retail Networks and Some Implications for Farmers”, International Conference on Global Agro-Value Chain, Harare, Zimbabwe, 15 -19 January, 2018.

Madhwi. "Circulation of Labour and Circulation of Medical Knowledge: Colonial Mauritius and Natal 1834 -1920", in the panel ‘Medicine and Disease’ in the Global History Student Conference, organized by Center for Global History, Friedrich-Meinecke-Institute, Freie Universitat Berlin. 20- 21 May, 2017.

Madhwi. “Beautification of Coolie Hospitals and Inmates: Colonial Mauritius c. 1850-1911”, International Network for the History of hospitals, organized by the University of Warwick and the Mediterranean Institute University of Malta. 6-8 April, 2017.

Rahul Kumar Maurya. “Revisiting Rorty’s Notion of Truth”, conference Revisiting Richard Rorty at University of Minho, Braga, Portugal. 25-26 September, 2017.

National/International MoUs Signed

ALS Wellness Network Pvt. Ltd. (ALS)- The Company – with a brand name ‘ZYEGO’ is engaged in the business of providing counseling, wellness and emotional support services to cater to the needs of students, faculty and non-teaching staff.

University of MÜNSTER, Germany- The mandate is to coordinate and collaborate in academic activities with effective and mutually beneficial cooperation envisioning development of academic and cultural exchange, internationalize the standards of higher education and encourage direct contact between our students and their staff of various faculties and institutes.

ATS InfoTech Pvt. Ltd.- A Microsoft-AEP (Authorized Education Partner)- The company would be offering International Certifications to the interested students from different vendors at academic discounted price and those who volunteer for paying exam fee would be getting bundled training fee free of cost mapped to the certifications. Free of charge, FDP once a year for the faculty members will also be provided.

Breakthrough Trust- an international human rights organization which promotes values of equality, justice, and dignity around the world- will be moderating the 'Media and Technology' module of an add on course offered by the Sociology Department, JDMC. The title of the course is 'Safe City and Inclusiveness' for the academic year 2017 -2018. As part of the engagement, Breakthrough will be building the capacity of the students in understanding the intersection between media, technology and gender. It will also be conducting skill building training on social and digital media.

Bliss Foundation- The aim of this alliance between JDMC and Bliss Foundation is to sensitize faculty and students at JDMC and to train them in Breast Self Examination (BSE). At a later stage, other schools/ colleges in the vicinity will also be made aware about the causes and implications of Breast Cancer. It will also familiarize them with signs, symptoms and procedures of early detection. This will be done through workshops, surveys, questionnaires and other modalities to arrive at better practices regarding disease control through social awareness.

ICT Academy- is an initiative of the Government of India in collaboration with the State Governments and Industries. It endeavors to train the higher education teachers and students thereby developing the next generation teachers and industry ready students.

Placement details

Number and percentage of students placed-42 i.e. 5 percent

Number of Companies visited for campus recruitment- 31 (4 on campus and 27 off campus)

Extension and Outreach work

The college organized a free health check-up camp for the Staff and Students and also organized a blood donation camp in collaboration with Blood Connect, India's largest student run initiative. JDMC adopted a slum on Mandir Marg. Organised a relief camp Project Warmth and sent large number of warm clothes to Goonj (NGO). The students of Sociology department participated in the "*One Billion Rising*" at the Central Park, Connaught Place to show their solidarity against the exploitation of women and end sexual violence.

Library Development

Text Books – 74378

Reference Books- 3223

Journals – 68

e-Journals – 2

CD & Video - 165

E-Resource: Subscription to Analyst database through INFLIBNET

Faculty Strength

Total number of faculty: 142 (includes permanent and adhoc faculty)

Financial Allocation and Utilization

Grant Sanctioned : Rs. 36,15,32,000/-

Grant utilization: Rs. 33,94,69,271/-

Any other significant information

Girl Centric Tertiary Education and Training Award at World Women Summit organised by the Women's Agency for Generating Employment on 8 March 2018 on the occasion of International Women's Day. World Ecology, Environment and Development (WEED) Award at 26th World Environment Congress organised by Confederation of Indian Universities, Indian Institute of Ecology and Environment, National Institute of Cleanliness Education and Research on 8 November 2017.

JESUS AND MARY COLLEGE

Major Activities and achievements:

The year 2017-18 is a landmark year in the history of Jesus and Mary College as it celebrated its Golden Jubilee year with a great deal of zest and pride in its achievements of the past 50 years. The academic year commenced with the Golden Jubilee Celebration inaugurated by Hon'ble President of India Shri Ram Nath Kovind. College launched a prestigious school project in collaboration with NDMC wherein the students of Bapu Dham Higher Secondary school will receive an all round higher education through activities organized by the staff and students of the College in the field of fine arts, sports, mind development etc. The prestigious B. Voc Program introduced in 2016 successfully completed 2 years in Retail Management & IT and Health Care Management. The objective of these courses is to give industry relevant training to meet rising demand in the healthcare and retail sector and make students job ready.

Honours/Distinctions

Ms. Richa Malothra, Psychology Department received the Research Award (November 2017) by Solution Focused Brief Therapy Association (SFBTA) at Annual Conference held in Santa Fe, USA.

Dr. Renny Thomas, Sociology Department was awarded Charles Wallace Fellowship in Social Anthropology (2017-18) by Queens University, Belfast UK.

Dr. Vanita Chopra, B.El.Ed Department was awarded as a Mentor in Aptis Action Research Member Scheme by the British Council, India.

Dr. Sushila Ramaswamy, Political Science Awarded ICCR Empanelment for its India Chairs Abroad, 2017.

Students with Distinctions

Swastika Mohan, Psychology Department Presented the paper titled Self Awareness Enhancement Techniques at IALSE, International Conference, 2018.

Richa Wadhwa, Commerce Department was awarded, The Sankar Aiyar Memorial Prize for Commerce Students.

Saniya Singh Political Science Department Interned with the United Nations office on Drugs and Crime in Vienna since February 2018.

Publications

Radhakrishnan, S. (2017). The Spirit of Volunteerism : A Study of Psychological Dynamics Underlying Volunteerism in India. Pragun Publications (ISBN: 9789380397726)

Mishra, S., & Pathak, V. (2018) Understanding Youth in the Indian Context. Indian Journal of Health and Well Being, 9(2), 321-323

Abraham Molly (Under print) A Saga of Tolerance and a Legacy of Posterity: Catholic Visionaries and Women Empowerment in North India (1842-1968), Delhi Ruby Press & Co. ISBN No. 978-81-933788-8-5

Nandhi, Mani A. (2018) Effects of Mobile Banking on the Savings Practices of Low Income Users: The Indian Experience' in edited volume Money ISBN 978-1-78533-653-9 pgs 266-286.

Bhatia, N., Sarin, C (2018) Insurance and Risk Management: Fundamentals & Applications Delhi Private Learning. ISBN no 978-93-8384-8461

Chopra, Vanita (2017) CCE : Gap Between theory Practice, Lang Lit, ISSN 2349-5189, Pg no 85-9

Ramaswamy Sushila, Women in Political Thought; Quest for gender quality and beyond, Hyderabad, Orient Black Swan 2018 (ISBN 978-93-86689-58-0) xiv+408 pages.

Journals

The College published its e-journal The JMC Review with ISSN No., 2456-9550

Seminar/ Conference Presentations

Dr. Sneha Kapoor, Psychology Department, Presented a paper on 'Child Sexual Abuse: Risk and Impact at National Trauma Conclave at All India Institute of Medical Sciences, New Delhi (March 2018)

Ms Bhumika Kapoor, Psychology Department, Presented a paper titled 'Understanding Globalization and Its Implications for Identity' in the 27th National Academy of Psychology (NAOP) Conference, India jointly organized by Indian Institute of Technology, Kharagpur, held during December 22-24 ((2017)

Dr Vinita Kshetrapal, Psychology Department, Presented a paper titled 'The Messiah and the Mis-attuned Mother' at the fifth International Indo-Italian Psychoanalytic Conference" Psycho analytic Exploration of Darkness in Culture and Clinic" held at Ambedkar University, Delhi on January 12-14,2017

Dr. Nilima Chitgopekar, History Department, Presented a Paper on 'The Star and the Lion: Contextualizing Sir Syed Ahmad Khan and Lala Lajapat Rai in Late 19th Century, India at Center for Advanced Study, Department of History, Aligarh Muslim University

Dr. Renny Thomas, Sociology Department presented a paper on ' Science, Religion and Rationality' at New Perspectives on Science and Religion in Society Conference at held at Manchester, UK on 29th June to 1st July 2017

Dr. Renny Thomas, Sociology Department presented an Invited lecture on Ayudha Puja, On Machines, Rituals and Beliefs at University of Pennsylvania Philadelphia, USA on 9th Oct, 2018.

Dr. Reena Marwah, Commerce Department Presented a paper titled. The Role of the State I infrastructure development for Connecting with south East Asia at the Rajasthan University conference on January 24,2018

Vanita Chopra, B. El. Ed Department Presented a paper on Issues and challenges of being English ; language teachers-cum0material developers : A Perspective at a National Conference titled as Language literature and society: A contemporary Educational Discou under the aegie of MHRD-IASE on 3rd May 2018.

National/ International MoUs signed

An MoU has been signed with New Delhi Municipal Corporation with the objective of conducting different programmer/ activities in the Higher Secondary School, Babu Dham to bring about a holistic development in the education of school children.

Placement details

Number and percentage of students Placed -100 approx (50%)

Number of Companies visited for campus recruitment – 40 approx

Extension and Outreach Activities

Suicide Prevention Awareness Campaign (Jijivisha) organized by Psychology Department from 1-8 September 2017. Story telling by Students of Commerce Department for the underprivileged children in collaboration with the NGO for Seva in August 2017. Seminar cum Panel Discussion on Ill Effects of Substance and Drug Abuse in collaboration with Delhi Government and Udaan was organised on 28 Sept 2017. Sanitary Napkins Collection and distribution at the Slum Drive was conducted on 15 February 2018 and clothes donation drive in collaboration with the NGO" WE CLOTHE THEM' was organized on 28 February 2018.

Library Development

Jesus and Mary college library acquired 890 books during year 2017- 2018 and also subscribed 79 National Journals including popular magazine and 16 Foreign Journals. A collection of 10 newspapers are available in the library. The total collection of library has been augmented to 54165 books. It subscribed to access for thee - resources (6000+ ejournals and 97000+ ebooks) through n- list Infilbnet.

Faculty Strength

Total number of permanent faculty: 78

Total number of Adhoc faculty: 48+2 (B.Voc)

Financial Allocation and utilization

Grant sanctioned: Rs.2682.95 lakhs

Grant utilized: Rs. 2504.23 lakhs

KALINDI COLLEGE

Major activities and achievements

Kalindi College presently caters to 7354 undergraduate regular, non-collegiate and SOL students and 73 postgraduate students. College received three prestigious awards. First the College was recommended “European Quality Award in Education sphere” for the quality services offered by our institution, exemplary educational management, and teaching methods; by International Socrates award nomination committee, Lucerne, Switzerland in July, 2017. Second, college was also conferred with “Best Managed Campus Award” on the occasion of 38th World Management Congress on 21 December 2017. Third, award was “Girl Centric Tertiary Education and Training Award” for outstanding contribution in the area of Women’s Education and Empowerment on 8 March 2018. Eight new projects to be undertaken in near future. Teaching and Non-Teaching staff of Kalindi College joined hands to support manual scavengers and support project Rehmat by donating for the cause and providing money amounting to Rs 29,430/- (Twenty Nine Thousand Four Hundred and Thirty only) for the project.

Honours/Distinctions

Dr. Anula Maurya , Principal, Conferred with “Leading Educationist of India Award” & “Dr. APJ Abdul Kalam Award” for amazing manner and enduring excellence towards the welfare of the people on 20 March 2018 by Friendship Forum.

Dr. Anula Maurya , Principal, Conferred with “Best Indian Golden Personalities Award 2017” for individual excellence in recognition of flattering merit excellent performance and outstanding contribution for the progress of the Nation & Worldwide on 17 November 2017.

Dr. Anula Maurya , Principal, Felicitated with “Certificate of Felicitation” for her outstanding contribution and praiseworthy achievement in her chosen field in the conference on “Economic Growth and National Unity” on 17 November 2017 organized by Friendship Forum.

Dr. Pushpa Bindal, Department of Political Science received “Award for College Lecturer 2017-18” from Directorate of Education, Government of Delhi.

Dr. Manjulata, Department of Sanskrit was awarded with “Sanskrit Samaradhak Sammanpatr” by Delhi Sanskrit Academy.

Students with Distinctions

Bhawna Chauhan from B.A. (Hons) Journalism graduated with First Rank at the University level.

Ritika Dua from B.A. (Hons) Journalism graduated with Third Rank at the University level.

Urja Biswas from B. Sc Life Science III Year (VI Sem) was awarded Nargis Sunil Dutt Girl of the Year (For Maximum number of Prize) and the All Round Prize of Excellence (For Academics).

Srishti Singh from B.A.(H) Journalism II Year (IV Sem) was awarded the Principal's Prize (For All Round Student)

Shruti Grover from B. Sc Life Science III Year (VI Sem) was awarded the Shiv Pal Goel Memorial Prize (For Academic Excellence).

Publications

Maurya,A . and Chand, K. (2018) “भारतीय सामाजिक चिन्तन में व्यक्ति, परिवार एवं समाज”. Delhi, J..B . Publishing House, Delhi. ISBN 978-93-87827-01-1

Das, C. (2017) book “*In the Land of Buried Tongues: Testimonies and Literary Narratives of the War of Liberation of 1971*”. New Delhi: Oxford University Press

Sahdev, S. and Kumar, M. (2018) Environment and Sustainable Development: A Geographical Appraisal. New Delhi, ND: Concept Publishing Company Pvt. Ltd.

Mangla, S (ed.), 2018, “अंतर्राष्ट्रीय राजनीति एवं विश्व संबंधो का इतिहास” Kaveri Books, New Delhi, 2018, ISBN. 9788174792129

Goyal, N. (2017) “Sanskrit Sahitya: Padyakavya”. VidhyPrakashan. Delhi. 978-93-855539-31-2

Goyal, N. (2017) Laghusiddhandakaumudi, Vidhyanidhi Prakashan. Delhi. ISBN 978-93-85539-55-8

Bindal, P., Srivastava T., Ananya, Dhankhar, A. (2017) "Experimental Study of Microbending Losses in Optical Fiber," ICEPMU – 2016: Technology Letters Conference Proceedings of the *International Conference on Engineering Physics, Materials and Ultrasonics*, pp. 37-40.

Mishra, R.R. (2017) Society, Religion and Biodiversity Conservation in India. The Clarion-Multidisciplinary International Journal 6 (2) 53-58. Print ISSN: 2277-1697, Online ISSN: 2277-937X

Tyagi, R. (2017) "The President of India: The Constitutional Head with Discretionary Powers", *Indian Journal of Public Administration*, 63(3) September 2017, (Special Issue: Discretionary Powers of the President and Governors in India in Constitution & Practice), pp. 330-351, ISSN 0019-5561

Research Projects

Project Title: X-Ray Spectroscopy of Highly Charged Slow Ions with Atoms and Solids. Principal Investigator: Dr. Punita Verma, Funding Agency: Inter University accelerator centre (IUAC), New Delhi, Allocated Amount: All funds available at IUAC. Tenure: 2013 - ongoing

Project Code: Major UFR No. 58324, Project Title: Molecular orbital approach to the inference of x-ray measurements at small inter atomic distances, Principal Investigator: Dr. Punita Verma, Funding Agency: Inter University accelerator centre (IUAC), New Delhi, Allocated Amount: Rs. 6,43,000/-, Tenure: 2016 onwards for 36 months

Project Code: ECR/2017/000590, Project Title: Functional interaction between vasotocin and corticosteroids in catfish *Heteropneustes fossilis*, Principal Investigator: Dr. Varsha Singh, Funding Agency: DST- SERB, Allocated Amount: Rs. 23,07,201/-. Tenure: 2017 for 3 Years.

Title of Project: Academic Consultant for "Major Research Project" of "Museum of Prime Ministers of India", Principal Investigator for Indira Gandhi: Dr. Ruchi Tyagi. Project under: Nehru Memorial Museum and Library (NMML), Ministry of Culture, Government of India, Teen Murti House, New Delhi. Project Started: November 2017, Project Period: Initially for a period of six months, to be extended at the discretion of NMML

Seminars Organized

The Dr. B. R. Ambedkar Study Centre organised two-day National Seminar on "Dr. Ambedkar on Women's Rights in India: Issues and Prospects" in collaboration with Dr. Ambedkar Chair in Social Justice, Indian Institute of Public Administration (IIPA), was organized on this occasion on 6 and 7 December, 2017.

A students' seminar titled "Representing Depression: Cultural Perceptions of Illness" was organised by Mitrakshar, The English Literary Society, On 13 February 2018 in the Seminar Room.

A Students' Seminar was organized in all 41 papers were presented by the students of B.A(H) and B.A (P) students on topics like global issues and debates, gender equality in India, crime women and society and different issues in Indian Politics, on 27 February 2018.

Seminars/Conference Presentations

Sahdev, S, Presented research paper entitled "Dr. Ambedkar's Vision on Environment: A study of Water Resources in Uttarakhand State" in the National Seminar organised by Department of Journalism on "Dr. Ambedkar on Women's Rights in India: Issues and Prospects" held on 6-7 December 2017.

Sharma, M presented paper on Vartmaan Filmon mein Stri Sashaktikaran ka Swaroop Hindi Cinema aur Loknatya: Bhav aur Abhinay in an International Seminar organised by Janki Devi Mahavidyalaya, DU on 8-9 March 2018

Tyagi, R, "Election Related Constitutional and Statutory Provisions" presented in 'Annual National Conference 2018' on the theme of 'One Nation One Election' sponsored by Indian Council of Social Science and Research (ICSSR), and organized by Rambhau Mhalgi Prabodhini held at the RMP-KEC Campus in Uttan, Bhayandar, Thane (Near Mumbai) on 20-21 January 2018.

Dhal, S, International Conference: presented paper on 'Empowering Women through E-Governance: Capacity Building as an Enabling Measure', organized by North-South University Dhaka and University of Bergen, Norway, 18 -19 November 2017

Mangla, S, "Ambedkar's Endeavour for Women's Emancipation: With special reference to the Economic Empowerment" in National Seminar on Dr Ambedkar on Women's Rights in India; Issues and Prospects organized by Dr. B. R. Ambedkar Study Centre, Kalindi college (University of Delhi) in collaboration with Dr. Ambedkar Chair in social Justice, Indian Institute of Public Administration (IIPA), sponsored by Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, on 6-7 December 2017.

National/International(MoUs)signed

Memorandum of understanding (MOU) with Institute of Bioresources and Sustainable Development, Imphal, Manipur, to set up an IBSD-Kalindi Centre for Women Entrepreneurship in North East at Kalindi College.

NSS unit of the College signed a Memorandum of Understanding (MoU) with IIT Delhi for the INDIAN ROAD SAFETY CAMPAIGN - IRSC, a National Project with the maxim to inculcate significant Road Safety and prohibit catastrophes on roads.

Several other MOUs were signed as follows:

Indraprastha Sanjeevani, NGO

TERI School of Advanced Studies (TERI SAS) and Kalindi College

R.K Films and Media Academy with Kalindi College

Englitute Academics LLP, New Delhi and Kalindi College

IQAC, Kalindi College and Connecting Dreams Foundation

B.Voc (Printing Technology) and B.Voc (Web Designing) with DainikJagran, Noida for B.Voc (Printing Technology) and Sisoft Technologies for B.Voc (Web Designing)

Placement details

Number of students getting successful placements-25

Number of Companies/Industries coming for campus recruitment -16

Number of repeat recruiters-00

Extension and Outreach Work

Connecting Dreams Foundation (CDF), Kalindi College chapter, operative since March 2017, aims at providing education to underprivileged children in schools. Project 'DREAM KEY LIBRARY' started in April 2017 under which a library was constructed in Khalsa School, RK Ashram for underprivileged children. In September 2017, the social responsibility cell came up with its project 'KILKARI'. Taking into consideration the increasing dropout rates, a KILKARI pathshala was introduced to make every child compatible enough to be able to read and write. A Kilkari pathshala in the slum areas of Jhandewalan with a strength of around 20 kids is being conducted every 4 days in a week where a team of volunteers teach main subjects like English, Maths, Hindi and EVS/GK/Moral Science. Kilkari pathshala in second phase introduced in the slum areas of Todapur, Inderpuri and Patel Nagar having a strength of 40 children in each centre. As a part of recreational activity, dance classes also being conducted regularly in the centres. Under project, 'MASOOM' volunteers of the college interacted with a lot of organisations on, day to day experiences the team realized that the community of special people needs a lot of attention. time with the mentioned community and work towards their welfare and development.. When it comes to achievement Enactus Kalindi team has bagged first prize in the Social B-Plan competition held at NSIT Delhi and second prize in B-Plan competition held at JIMS Kalkaji.

Library Development

The library resources have been enhanced during the year 2017-18 and the total collection of the library reached up to 81,889 books including Book Bank and Student Aided Fund books. The Library users have been able to enlighten themselves by going through the newly added books. At present library is subscribing 106 magazines/journals and 16 newspapers in English and Hindi languages on different areas of interest for its readers. The library has a web center for access of e-resources, separate reading room for consultation purposes and photocopy facility for the students and staff. The remote login access of e-resources through N-List login ID is also provided by the library.

Number of Faculty

Total number of Permanent faculty: 82

Total number of Ad hoc faculty; 95

Financial Allocation and Utilization

Grant Sanction : Rs. 25,28,39000/- (UGC) + 52,60,000/- (D.A)

Grant Utilized : Rs. 30,25,57,042/-

Any other significant information

Solar System project on the open roof top of the college TRI block and Academic Block of the college, installed under IPGCL Scheme, is successfully generating 61 Kilo Watt Power. The project has been undertaken by Hero Solar Energy Pvt. Ltd, New Delhi. This project has reduced the power consumption in the college to a great extent. The college organized “National Voters Day” on 24 January 2018, with the purpose to encourage effective participation of young voters in the electoral process.

KAMALA NEHRU COLLEGE

Major Activities and Achievements

Power point and Audio-Visual presentations are made by faculty and students to enrich the understanding of curriculum. Workshops are organized to understand nuances of film making. Some departments have created Google groups/other online groups in order to share resources and enhance pedagogical engagements. Trips and excursions related to course work, field visits, heritage and mindfulness workshops are regularly organized in order for students to develop a real time understanding of syllabi related topics. Many departments organize remedial classes and have counselling sessions for students who may be in need of them. Many departments try and facilitate book banks so that under privileged students may avail those resources. Green Beans (Environmental Club) conducted seven weeks add-on certificate course on Environment, from August 26 - October 7, 2016, with assistance from Department of Environment, Govt. of NCT of Delhi. Regular lectures by eminent subject experts in their respective fields are organized by almost all the Departments for students to be aware of new departments and research trends in their discipline. Departments conduct student research projects. The aim and focus of this endeavor is to help the students understand the broad range of research topics and methodology.

Research Projects

The Department of English received a grant from the U.S. State Department in the month of March 2017 for a sum of \$3,000.

The Department of Political Science received a grant from Brown University, USA in the month of June 2017 for a sum of \$3,000. It also received Rs 11,000 from the Omeo Kumar Das Institute of Social Change during March 2017.

The Department of Sociology received Rs 2.5 lakhs as well as Rs 16.16 Lakhs +\$6000 from the University of Western Australia for a period from March 31, 2017-2018.

Journals

Akademios, published in English as well as Hindi is the peer reviewed journal published by the college.

Seminar/ Conference Presentations and Publications

Dhawan, J. (2017) CSR: Doing Right Things the Right Way| at Institute of Directors: 11th International Conference on Corporate Social Responsibility at the Lalit Ashok, Bengaluru.

Khanna R. A. (2017) Bridging the Knowledge Gap Through Technical Alliances: An Assessment of a High Technology Industry Using Instrumental Variable Method| at the Tenth Global Studies Conference, 2017 organized by National University of Singapore.

Singh, A. (2017) Autobiography, History and the Comic Form in Malik Sajad's *Munnu: A Boy from Kashmir* at the international conference on 'History, Culture and Literature: Reading the Margins', organized by the Department of English, Swami Shraddhanand College, in collaboration with the Department of English, University of Delhi.

Malhotra, N. (2017) Community Response to Himalayan Climate Change| at Spatial Decision Support Systems for United Nations Sustainable Development Goals, Kalindi College, University of Delhi and Ministry Of Earth Sciences, India.

Agrawal, S. (2017) Antarashtriyaparidrish Mein PravasiLekhikaSneh Thakur| at International Seminar on Antarashtriyaparidrishamein Hindi Sahitya, Kamala Nehru College, University of Delhi.

Ojha, A. (2017) In Search of Shangri La - Historic Narrative on Ladakh as a Documentary Film| at International Symposium organized by Department of English and Comparative Literature, Central University of Kerala, Vidyannagar Campus, Kasaragod, Kerala.

Kaur, B. (2017) Representation of Women in Deodorant Advertisements at International Conference on Media and Communication Studies, Amity University, Rajasthan

Bharati, S.K. (2016) An Improved Computational Algorithm for Optimization of Transportation Problem at International Conference of the Indian Mathematical Consortium in Cooperation with American Mathematical Society at DST and Department of Mathematics, Banaras Hindu University, Varanasi.

Nirban, G. (2017) Eco-dharma as a Concept of Responsibility: Ethical Analysis through the Readings of Select Sub-narratives of Mahābhārata at International Seminar on 'Relearning to be Human: Justice and Responsibility in Global Times' by Department of Philosophy, University of Delhi in association Council for Research in Values and Philosophy-Washington DC (CRVP), Indian Council of Philosophical Research (ICPR) and Ramanujan College, University of Delhi.

Malaviya, R. (2017) Universalizing and Particularizing Trends in Federalism: The Pressures of Globalization on Multiculturalism and Conflict Resolution through Federalism in India, ICSSR Sponsored, Theme: —Glocalization and Federal Governance in India: Understanding the Emerging Issues at Kalindi College, University of Delhi.

Chowdhary, S. (2016) "JalaurSūryKiraṇChikitsā - AtharvavedkeSaṅdarbhMeṇ" in 12th International Conference of WAVES, 2016 on —Scientific Aspects of Vedic Knowledge at BharatiyaVidyaBhavan, Kasturba Gandhi Marg, New Delhi.

Dalua, P. (2016) Globalization, Anomie and Farmers Suicide in India: a Macro-Sociological Approach, 16th European Symposium (ESSSB), Oviedo, Spain.

Presented papers at National Conference/Seminar

Agrawal, A. (2017, January 24). —Internationalization Strategies of Indian IT Firms at the National conference on the theme —Emerging Trends in Management Practices held at Delhi Metropolitan Education (DME), Noida.

Devi R. (2017, February 4). —Role of State and its Institutions in the Empowerment of Women at 2nd National Seminar on 'Women Empowerment in North Western Region of India' organized by Departments of Political Science and History, at Goswami Ganesh DuttSanatanDharam College Palwal, Haryana.

Singhal, S. (2017, February 17). —Limits set by Canons: Adaptations of/in BhupenKhakhar at the National Young Researchers' Conference organized by the Centre for English Studies, Jawaharlal Nehru University.

Agrawal, S. (2016, July 29). —NalinVilochan Sharma: VayktitvaaurKrithav at National Seminar on —NalinVilochan Sharma-Janm Shat Varshikil by SahityaAkademi, Delhi & B.R. Ambedkar Bihar University, Muzaffarpur.

Kumar, N. (2016, December 28-30). —AIR in Quest of the National Music, Indian History Congress, Thiruvananthapuram. Warriar, M. V. S. (2016, September 13). —Cultures of Protest, Shaping of Consciousness and Mill Work: Class, Gender, Caste and Community in Madurai 1914-1951, Nehru Memorial Museum and Library, Teen Murti, New Delhi.

Kaur, B. (2017, March 23-24). —Media Education for Women Empowerment at National Seminar on Women Rights and Responsibilities, organized by Kalindi College, University of Delhi.

Mehra, D. (2016, October 4-15) "Continuous Weaving Frames" at National Conference on Algebra, Analysis, Coding and Cryptography, Department of Mathematics, University of Delhi.

Nirban, G. (2017, February 17-18). —Dr. SarvepalliRadhakrishnan at 'Reimagining South Asia: An Exploration into the History of Ideas' - Indian Council of Social Science Research (ICSSR) sponsored National Seminar at Department of Political Science, University of Delhi.

Midha, S.S. (2017, February 14-15). —Mental health Awareness in Sports and Recreation at UGC Sponsored 2nd National Conference on —Latest Trends in Health and Physical Education. University College of Medical Sciences, New Delhi.

Ahmad, A. (2017, February 11). —Politics of Covered and Uncovered Bodies Participated and presented at a Roundtable Conference on "Gender and Governance" organized by the UPE Centre for Advanced Research and Training, Osmania University, Hyderabad.

Singh, V. (2017, March 8-10). —Negotiating Identities within Marital Contexts: Married Women Experiences: Emerging Forms of Vulnerabilities, Dialogues, Discourses and Debates at National Conference Organized by Department of Psychology, University of Delhi, New Delhi.

Chowdhary, S. (2017, November 14-15). "HindīPatrakāritākeVikāskāSvarūp" at National Seminar on "HindīPatrakāritākāatitaurVartamān: BhūmikāaurChunotiā", Vivekanand College, University of Delhi.

Placement Details

Total number of students played = 4

Extension and Outreach Activities:

The NSS wing of the college conducted a Swachhta Awareness Campaign in the College campus, Masjid Moth area, Gautam Nagar and Nitibagh. It also conducted a 'Sanitation and Hygiene Awareness Drive' in the Begampur Slum Area on 7th July 2017. The members celebrated "Swachhata Hi Sewa" as part of the Swachh Bharat Abhiyaan on the occasion of Independence Day from 2nd August to 15th August 2017. NSS volunteers took pledge on the observance of "RastriyaEktaDiwas", in remembrance of Sardar Vallabhabhai Patel, one of the leading freedomfighters of our country on 31 October 2017. A Cancer Awareness Program was organized on 31 August 2017 in association with Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC). Six cadets of 3rd year from the college went for National Integration Camp from 19 June to 30 June 2017 in Amritsar. NCC cadets were invited by Doordarshan for a program on 'Self Defense' in "Good Evening India". The team of Entrepreneurship Cell won the 'Enactus Blue Dart Empowering Competition 2017Grant' and the 'Enactus Mahindra Competition 2017-2018 Grant' of Rs. 90,000 to support Project 'Kadam', under community outreach program for cobblers.

Library Development:

The college Library is fully automated connected with one server and eleven clients of Local Area Network. Two computers are equipped with Internet facility so that the teachers and students may have access to electronic archives from the college premises which is provided by the University of Delhi, like Jstor, Project Muse etc. The prestigious DELNET (Developing Library Network) and INFLIBNET facility is provided to all users. The library added more than 2464 titles during the year 2017 and the total collection of books has reached now 97335, 394 CDs and 605DVDs. In addition 77 Journals /Periodicals (62 in English and 15 in Hindi) and 11 Daily Newspapers (7 in English and 4 in Hindi) are being subscribed to for the benefit of students and staff. The library has a systematically arranged stack hall on the ground floor. Reference Section and the Periodical Section are facilitated with a large reading room. Hindi novels, old bound periodicals, collection of the eminent writer Dr. Anita Desai, Sanskrit and Punjabi literature etc. are located on the second floor. The library has a capacity of 300 seats for readers, and has separate section for Audio Visual Collection.

KESHAV MAHAVIDYALAYA

Major Activities and Achievements

Three of the faculty members were awarded the degree of Doctor of Philosophy and two others have completed their Post Doctoral fellowships. Six faculty members are supervising students towards the Ph.D. Degree. First Alumni Reunion was organised on 23 December 2017. The Central Purchase Committee in collaboration with National Informatics Centre (NIC), Government of India organised a two day workshop on "E-Procurement Implementation" in February, 2018. Two new cells were initiated this academic year: the student entrepreneurship cell 'Enactus', and the finance and investment cell 'Nivesh' to inculcate entrepreneurial skills financial awareness amongst students respectively. This year the college also offered an add on course in 'Radio Broadcasting' of 40 hours duration in coordination with Mr. R. K. Singh, former Engineer-in-chief, Doordarshan and former Consultant, DUCR. The Rotract Club students visited orphanages and old age homes. They conducted clothes and books collection and donation drives and plantation drives.

Students achievements

Anshuman Bhardwaj of B.Sc. (H) Computer Science I year, has created a YouTube playlist for the tutorials of CPUSIM, a tool used to simulate Microprocessor.

Sakshi Bansal, final year student of Psychology Department has been awarded the prestigious Gandhi Fellowship and has received acceptance from University of Nottingham with 100% scholarship to pursue M.Sc. Organizational Psychology. Her project "LEAP"(Literacy Empowerment Ability and Participation) has been selected as international social cause project by Rotary International HQ.

Parul Kumari and Manu Singh of Department of Mathematics received an award of Rs. 10,000 each from Directorate of Higher Education, Govt. of NCT of Delhi.

Shourabh Singh and Gaurav Mangain of Department of Electronics have received DST- INSPIRE scholarship of Rs. 60,000 per annum for pursuing higher education.

Harshit Kansal of BMS II year, for the second time, received a scholarship of Rs. 10,000 under the Central Sector Scheme of Scholarships for College and University Students, 2017-18.

Publications

Kumar, S., Kaur, J., Verma, A., Mukesh, Kumar, A., Domonic, A., (2018) 'Influence of Polyether Chain on the Non-Covalent Interactions and Stability of the Conformers of Calix [4] Crown Ethers', Journal of Inclusion Phenomena and Macrocyclic Chemistry,.

Arora, A., (2018) 'Process of Managing Credit Risk at Transaction Level: Illustration of Indian Commercial Banks', Asian Journal of Management Applications and Research, 8(1) : pp 458-470.

Kumar, P., Rana, J., (2017) 'The Relationship between Organizational Values and Performance', International Journal of Research in IT and Management (IJRIM), 7(5), : pp 100-110, ISSN 2349-6517.

Kumar, P., (2017) 'The Impact of Classical Management Approaches on the Management Practices', Asian Journal of Management, 8(3), AJM-546.

Negi, V., Bardhan A., (2017) 'Labour Market Regulations and FDI Inflows in Developing Countries – An Empirical Analysis', Journal of International Economics, 8(2), : pp 27-42, ISSN 0976-0792.

Negi, V., (2017) Effects of Foreign Direct Investment on Wages in the Emerging Markets', Himalayan J. Soc. Sci. & Humanities, 12, pp 20-37, ISSN 0975-9891.

Gupta R., Sehgal P., (2018) 'Non-Deterministic Approach to Allay Replay Attack on Iris Biometric', Pattern Analysis and Applications (Springer-Verlag), pp 1-13, DOI:10.1007/s10044-018-0681-8.

Jindal, V., Bedi, P. (2018) 'An Improved Hybrid Ant Particle Optimization (IHAPO) algorithm for reducing travel time in VANETs', Applied Soft Computing, ASOC, 64, : pp 526-535, DOI: 10.1016/j.asoc.2017.12.038, Print ISSN 1568-4946, Online ISSN 1568-4946.

Jindal, V., Bedi, P. (2017) 'Preemptive MACO (MACO-P) Algorithm for Reducing Travel Time in VANETs', Applied Artificial Intelligence, AAI, 31 (2), pp 174-196. DOI: 10.1080/ 08839514. 2017.1300017, Print ISSN 0883-9514, Online ISSN 1087-6545.

Singh, P., Singh, D., Ram, S.D. (2017) 'Important Mathematical Tools and their Applications in Reliability Theory', International Journal of Computer & Mathematical Sciences, IJCMS, 6(12): 34.

Journals/Magazines published by college

The Department of Commerce released its annual magazine 'GENESIS', during its annual festival 'Fledgling'.

The Department of Computer Science released its annual magazine 'e-Blitzine', during its annual festival 'Blitzkrieg'.

Seminars/Workshops Organized

The Central Purchase Committee in collaboration with National Informatics Centre (NIC), Government of India organised a two day workshop on "E-Procurement Implementation" in February 2018.

The Computer Science Society conducted a half day workshop on 'Cyber Security in Digital India' by Dr. Anup Girdhar, CEO, Sedulity Solutions and Technologies in November 2017 and a full day workshop on 'Big Data and Hadoop' in collaboration with Aptech India in February 2018.

The Electronics Department conducted a two-day workshop on 'EAGLE CAD & PCB Fabrication' co-organised by Centre for Electronics Design and Technology, NSIT held on 7-8 September 2018 under the guidance of the team of SINCGRID LLP Company.

A National Level Faculty Development Program (FDP) on 'Embedded System Design Using AVR and Digital System Design Using Programmable Logic Devices' was organised on 1-2 November 2018 by the Department of Electronics in collaboration with CEDT, NSIT under the guidance of Prof. Dhananjay V. Gadre.

The Department of Management Studies organised the ninth edition of its annual corporate seminar, COGNIZANCE on 6-7 February 2018. The theme of 'Data is the New Oil' exposed the students and

faculty to a unique practical understanding of Data Analytics. The speakers included Mr. Sameer Dhanrajani, Chief Strategy Officer, Fractal Analytics, Prof. V.K. Kaul, Dean, Faculty of Applied Social Sciences and Humanities, Mr. Anand Madhav, Lead Consultant, Gramener India, Mr. Rachit Ranjan, Head of Policy, North India and Federal Affairs, Uber India and Mr. Aditya Waghray, Associate Partner, McKinsey and Company India.

The Department of Psychology organised two workshops on January 2018: 'Counselling Skills' conducted by Ms. Mihika Mehrotra, a Clinical Psychologist working at Fortis Healthcare. 'Psychodrama', conducted by Ms. Jyoti Bernard, a Utilization Review-Specialist at Sovereign Health of California.

Conferences Presentations

Dr. Manjri Singh presented a paper: 'Alimentary Meditations in Ancient Indian Philosophical Thought' in National Conference on Indian Social Work: Scope and Concerns, organized by B. R. Ambedkar College and Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Sponsored by ICSSR on 14-15 March 2018.

Dr. Vipin Negi presented a paper: Thakur, N. & Negi V., 'An Econometric Analysis of a Complementarity between Profit-Wage and Capital-Labour: Skill-Biased Technological Change in Indian Services Sector' at 59th Annual Conference of The Indian Society of Labour Economics, (ISLE), Thiruvananthapuram, Kerala, India, 2017.

Dr. Subodh Pandit presented a paper: 'The Ripple Effect of Indian Consumption Behaviour', at the Sixth Singapore Economic Review Conference, 2-4 August 2017.

Dr. Amanjot Sachdeva presented a paper: Sachdeva, A., Singh, A.K., 'Work life Conflict and its Impact on Work Life Balance and Subjective Well Being of Doctors in Healthcare Sector', at the International Conference on Indian Economic Transformation Through Revival of Manufacturing Sector and Start-Up Ecosystem organized by Ramanujan College, University of Delhi, 21-22 September 2017.

Dr. Ritu Arora presented a paper: 'Branch and Bound Algorithm for Discrete Multi-Level Linear Fractional Programming Problem' at the International Conference on Mathematics and Applications held at Ramjas College, University of Delhi, 26-28 April 2017.

Dr. Dhanpal Singh presented a paper: Singh, D., Goel, C.K., 'A Brief View of the Mathematical Reliability Theory from the Beginning to the Present Time', International Conference on Mathematics and Applications (ICMA-2017), organized by Department of Mathematics, Ramjas College, University of Delhi, 26-28 April 2017.

Dr. Divya Haridas presented a paper: 'Detection and Classification of Gases Using Electronic Nose by Principal Component Analysis', International Conference on advanced semiconductor materials and devices organised by CMET Hyderabad, 8-10 March 2018.

Dr. Jasmeet Singh presented a paper at International Conference DAMOP-2017 on 'Theoretical Method to Study Electron-Impact Rotational Excitation of Neutral Molecules', Sacramento, California, USA, June, 2017.

Dr. Harpreet Bhatia presented a paper: 'Stereotypes related to Skin tones' at National Conference on Psychological Applications and Interventions: Reaching out and making a difference, Daulat Ram College, January 18 January 2018.

Dr. Daisy Sharma presented a paper: Ganesh, M., Tuli, M., Sharma, D., 'Mediational Role of Motivation in Association between Emotional Intelligence and Leadership at Workplace: An Exploratory study', at Global HR Congress- A Multidisciplinary approach towards Organizational Excellence, Amity University, Haryana, 2018.

Placement Details:

Number of students getting successful placements: 26

Number of companies coming for campus recruitment: 9

Extension and Outreach Activities

Under the aegis of Rotract Club, the students participated in: an Organ Donation Drive, Vriksharopan: a Sapling Plantation Drive, HIV Awareness Campaign, a Cloth, Book and Footwear Collection Drive, Women Sanitation Drive, to name a few. The NSS Unit also organised various activities: International Yoga Day, Swachhta Pakhwara, Rastriya Ekta Diwas, National Youth Day, National Voters Day etc.

Library Development

The library has various sections consisting of around twenty five thousand books. Large number of magazines, newspapers, dailies, weeklies & periodicals of various subjects are being subscribed on a regular basis by the library for the readers. As an e-resource learning centre, the library has more than 700 CDs and DVDs which are issued to various departments of the college. Besides, it also provides facility of accessing about 30,000 e-journals and research articles provided by Delhi University Library System (DULS) through Internet to staff members and students. The college library is fully automated.

Faculty Strength:

Total number of faculty: 100 (Sanctioned)

Financial Allocation and Utilization

Grant sanction: Rs17,28,00,000 /-

Grant Utilized: Rs.15,22,81,147/-

KIRORI MAL COLLEGE

Major Activities and Achievements

After becoming a NAAC accredited A+ graded multidisciplinary College in 2016, Kirori Mal College also witnessed the completion of our new Academic Auditorium which continues to host numerous academic events across disciplines. The NIRF (National Institutional Ranking Framework) ranked KMC at position 20 among 4000 Colleges. Digitalization has been incorporated in the functioning of the library like: usage of smart cards, installation of chip technology in books, installation of a self-issue and self return kiosk, online access of the library's catalogue through the College website, and the transmission of SMS-alert to students whenever new books are procured by the library. Construction of a completely disabled-friendly campus has been completed. We have also successfully completed the construction of a permanent stage behind the Staff Room in the Canteen grounds and the renovation of the Staff Room. Eighty six students of ours have already got jobs in prestigious companies through our Campus Placement drive. Another project, perhaps not as intimidating as the construction of the auditorium, but nevertheless essential in its own way, is the crèche facility on the College campus which we are planning to introduce for the benefit of the teaching and non-teaching staff.

Honours/Distinctions

Dr Vibha Singh Chauhan was awarded 'The John Benjamin FILLM Prize' for Linguistic and Literary Scholarship by John Benjamin Publishing Company and *Federation Internationale Des Language Et Litteratures Modernes* at XXVII FILLM Congress (15-17 March, 2017)

Dr Pragya was awarded for: 'Pap Tark Aur Prayashchit' as the best story in a competition organized by Story Mirror.com; The first Prize of 'Story Mirror Contest-3' in a function organized at Oxford Book Store in New Delhi on 8 July 2017; Meera Smriti Puraskar 2016 for her first novel 'Goodad Basti' by Meera Smriti Foundation at a grand function in Allahabad

KMC won two International Gold including in Para-Athletics (Javlin throw) & in Netball, one silver in Para-Athletics & Chess and one Participation in Badminton.

In All India Inter University (AIU) the Kirorian as member of Delhi University squad clinched 1 Gold (Athletics Shot Put), 1 Silver (Chess M), 1 Bronze (Badminton M) and 1 Participation (Hockey M).

In Delhi University Inter College (DUIC) Championships KMC won 9 Championships (6 Athletics, 1 Boxing, 1 Taekwondo and 1 Basketball Men) 2 Silver medals in Boxing and 12 Bronze (3Athletics, 6 Boxing, 1Badminton M, 1Chess M and Hockey).

Students with Distinctions

Pankaj Kumar Sharma stood first in B.Sc. (H) Mathematics IIIyr.

Swetow Tyagi stood first in B.Sc. (H) Physics IIIyr.

Anjali Lohchab stood first in B.Sc. (H) Physical Science IIIyr.

Ashi Mittal stood first in B.Sc.(H) Chemistry IIIyr.

Vikas Yadav stood first in B.Sc. (P) Life Science IIIyr.

Publications

Anshu. (2018) 'Conflict in Yemen: A Sectarian Strife Or Petro-Geopolitics', International Journal of Humanities and Social Science Inventions, ISSN(Online) 2319-7722; ISSN (Print) 2319-7714

Anshuman, Kumar, P. (2017) *Ecosensibilities: Finding Path to Harmony*; Shree Publishers & Distributors.

Chauhan, Vibha Singh (2017) *Bihar Ki Bhashayen*, Orient Blackswan, New Delhi.

Joshi, Seema (2018). "Determinants of Tertiary Sector Employment in India" in Arup Mitra (eds.) *Economic Growth in India and its Many Dimensions*(A book in the honour of prof B.B.Bhattacharya), Orient Blackswan Pvt Ltd, New Delhi, 2018

Parihar, Seema Mehra (2017) *Evolving Fuzzy Inference-Based Decision Support Methodology For Risk Mapping Of Wastewater-Fed Aquaculture System*, Final Proceedings of ACRS2017-The 38th Asian Conference on Remote Sensing, October 23-27, 2017. (Source: <http://www.a-a-r-s.org/acrs/index.php/acrs/acrs-overview/proceedings-1?view=publication&task=show&id=2981>)

Sharma, Nidhi (2017) 'Impact of Organizational Culture on Employee Commitment: A Review', Ramanujan International Journal of Business and Research (UGC listed journal no. 48778), Vol.-II, 2017, ISSN: 2455-5959 (Co-Authored by Prof. R. K. Singh, Department of Commerce, Delhi School of Economics, University of Delhi)

Suman, Amit Kumar. (2017) 'Colonial Policies and Centres of Indigenous Learning Early Modern India', *NMML Occasional Paper* (History and Society), New Series 87, Nehru Memorial Museum and Library, New Delhi, pp.1-15. (Article)

Research Projects

Dr. Roopinder Oberoi, Assistant Professor, Department of Political Science (PI); The Benefits of Modifying Social Enterprise within Higher Education's Social Sciences Curriculum; UKIERI-UGC; 2017-2020/3 Years; 62 Lakh: UGC- 35 Lakh + UKIERI - 27 Lakh

Dr. Seema M. Parihar Associate Professor, Department of Geography (PI); (Indo-Nepal Project- Project Director & Principal Investigator) 'Youth Indo-Nepal Disaster Prevention and Preparedness Programme 2018 (YINPPP-2018) - B.P. Koirala , Indo-Nepal Foundation , Embassy of Nepal, India, sanctioned on 07 February, 2018 (1.5 lakh only)

Dr. Arun Kumar Tripathi, Assistant Professor, Department of Geography (PI); Impact Assessment of CSR Projects on Installation of Solar Lights in Nine States of India under CSR; ONGC Ltd.; 2017-18; Rs 8,96,500/-

Dr. Vinod Kumar, Assistant Professor, Department of Chemistry (PI); DST-SERB Start-Up Research Grant (Young Scientists) 2015-2018 "Designation and Strategies of Metal Oxides Nanocrystals for Photocatalytic Water Splitting" Total cost: Rs. 31,86,000/-

Dr. Benu Gupta , Associate Professor, Department of Physical Education and Sports Science (Project Director & Principal Investigator) "Psychology al Profile and Performance Sustainability with Omission of In equality of Indian Athletes : An Analytics Study" under Ministry of Sports Government of India 2016-2018 Rs.10,0000/-

Seminars Organized

Two Day National Seminar organized at Kirori Mal College in collaboration with NCPSL, MHRD, Govt. of India, New Delhi on 6 & 7 February 2018 on "Decoding the Partition L(i/a)nes: Reflections on Language, Literature and Culture". Dr. Sanjay Verma, Convenor & Dr. Praveen Kumar Anshuman, Co-Convenor.

Conferences Organized

International Workshop on Wavelets, Frames and Applications III at Kirori Mal College, University of Delhi, Delhi from December 14-20 December 2017. Dr. Shiv Kumar Kaushik, Convenor.

Seminar/Conferences Presentations

Dr. Agham Jha participated and presented a paper having title "Review of a Statistical model for the formation of QGP fireball under URHIC" in XXXII Annual IAPT Convention 2017 and National Symposium on Recent Trends in Physics at Different Scales during 29-31 October 2017 at the Dept. of Physics, Gurukul Kangri Vishwavidyalaya, Haridwar.

Dr. Agham Jha Participated and presented a paper having title "The order of Quark-Gluon Plasma (QGP) Phase Transition Under a model density of states for Quarks and Gluons in QGP droplet" in a National Symposium on Advances in Physics From Small to Large Scales at the Dept. of Physics (UGC-Centre of Advanced Study), Kumaun University, Nainital during 27-28 March 2018.

Dr. Amit Kumar Suman, presented a paper on 'Educating Poor Muslims: Madrasa System of Education in Colonial India, Reforms and Evolution' in the GHIL Colloquia at German Historical Institute, London, UK

Dr. Amit Kumar Suman, presented a paper on 'Colonial State, Education and Indigenous Knowledge Systems in the Bengal Presidency' in an international seminar on Dialectics of Education: Comparative and International Perspectives at CIE, Department of Education, University of Delhi, Delhi

Dr. Anshu presented a paper on 'Vulnerability of Smart Cities to Urban Flood Flooding' at International Conference on Livable Cities: Transforming Sustainability and its Challenges, SBSC, University of Delhi on 5-7 February 2018

Dr. Kavita Gupta presented a paper on "More for less method to minimize the unit transportation cost of a capacitated transportation problem with Bounds on Rim Conditions" in International Conference on MATHEMATICS and APPLICATIONS (ICMA-2017) organized at Ramjas College, University of Delhi, 26-28 April 2017.

Dr. M.K. Galhotra presented a paper titled "Cloud Computing : Services & Challenges in Libraries" in the Two Day National Conference on 'Changing Digital Landscape in SMART Environment' jointly organized by Ansal University, Gurgaon and United Nations Information Center for India & Bhutan on 8-9 February 2018.

Ms. Nidhi Sharma presented a paper on 'A Theoretical Model for Workplace Spirituality' at 4th National Conference on Contemporary Reforms in Management, Economy and Applied Business, organized by Sri Guru Gobind Singh College of Commerce, University of Delhi on 9 February 2018.

Dr. Praveen Kumar Anshuman presented a paper on "English Language Communication Skills in Interpersonal Relationship of the Industry Interface" in International seminar on 'University-Interface for Skill Development of Youth' at Awdhesh Pratap Singh University, Rewa (MP) India on 25 to 27 February 2018.

Dr. Sanjay Verma presented a paper on "Rashtra Unnati Mein Hindi Patrakarita Ki Bhumika: Ek Samiksha" in National Seminar on 'Janandolan Aur Bharatiya Sahitya: Hindi Aur Sindhi ke Vishesh Sandarbh Mein' organized by Rajdhani College, University of Delhi, in association with NCPSEL, MHRD, Govt. of India from 8-9 February 2018.

Placement Details

On-campus companies- 30, Off-Campus companies- 56

Number of placed students- 92

Extension and Outreach Activities

NSS-SAHYOG is an each one-teach one program where the volunteers teach underprivileged children.

NSS-Sahas is the Women Empowerment Cell of the college which aims to empower and uplift underprivileged children. It wants to change the stereotyped mindset of the society towards women. NSS-Darpan is the nukkadnatak group which works for the awareness of social issues in the society. NASA Rover- KMC RoboPhysicists is a team of motivated physics undergraduates. For years, the team has brought laurels and acclamations from all around the globe. Their previous endeavours include participation in NASA's RASC-AL, MOONBUGGY challenges. This academic year they took on a challenge to build a rover that will one day work alongside Astronauts and help them in exploring the Planet Mars. The Mars Society with NASA organized University Rover Challenge invited competitors from all around the world.

Library Development

Summary of Expenditure = 4,30,474/-

Total Budget = 15,15,000/-

Number of Books added = 2366

Total Books = 1,49,205/-

Total Book Bank Collection = 5929

Total: 53 Angels, 81 notebook for visually handicapped.

Faculty Strength

Total number of Permanent faculty: 142

Total number of Ad-Hoc faculty : 60

Financial Allocations and Utilization

Grant Sanctioned: Rs.48,42,06,435/-

Grant Utilized: Rs. 45,09,67,586/-

Other Significant Information

The NIRF (National Institutional Ranking Framework) ranked KMC at position 20 among 4000 Colleges.

LADY IRWIN COLLEGE**Major Activities and Achievements**

A 30-hour course on “Nutritional challenges in chronic disease management,” focusing on recent advances in the field of clinical nutrition and nutritional management of liver and renal disorders was conducted for M.Sc. Final, Food and Nutrition (Clinical Nutrition) students, from January to March 2017. 10th Annual Symposium on Sustainable Development, “Energy Efficiency for a Sustainable Future” was organized by Department of Resource Management and Design Application, and School of Planning, Design & Construction, Michigan State University, USA, supported by Energy Efficiency Services Limited, Ministry of Power, Government of India, at Triveni Kala Sangam, on 2 March 2017. RMDA Department faculty has undertaken a project on paper recycling and has tied up with “Jaagruti – Waste Paper Recycling Services” for managing college’s paper waste. Dr. Kalam Computer Training Center was established at the RMDA department, on 14 November 2017 and supported by Vigyan Ratna Mr. Lakshman Prasad, President, APJ Abdul Kalam Computer Training Center, Aligarh.

Honours/ Awards/ Distinction

Dr. Anupa Siddhu (Director) received an award for Women of the Decade in Academia, All Ladies League and World Economic Forum 2017

Anupa Sahi Siddhu Gold Medal for excellence in doctoral work in Lady Irwin College was awarded to Meenal Jain

Ramanathan Prize for Best Oral Presentation (Community Nutrition Category) in Free Communications session was awarded to Ms. Arushi Jain, PhD student, Department of Food and Nutrition, for the paper titled “Risk Assessment of Sulphite Exposure through Foods among Adolescents of Delhi,” at the 48th Annual National Conference of the Nutrition Society of India, on the theme “Nutrition Risk Management and Communication”

Dr. Dipesh Aggarwal was awarded “Certificate of Excellence in Reviewing” in recognition of an outstanding contribution to the quality of the Journal by Current Journal of Applied Science and Technology (Science Domain). Certificate No: SDI/HQ/PR/Cert/38142/DIP.

Nitika Singhal, Deepali Rastogi, Best poster presentation, 12th International Conference on Apparel and Home Textiles, organized by Okhla Garment and Textile Cluster (OGTC).

Students with Distinction

Anchal Goel was awarded the B. Tara Bai Award For Ist Position in M.Sc. Food & Nutrition II.

Payal Mehta was awarded the Indravati Pasricha Award For the 1st Position in PG-DDPHN

Priya Grover was awarded the Sanjam Randhawa Award For Ist Position in M.Sc. Fabric and Apparel Science –II.

Vasudha Kapoor was awarded the Child Development Alumnae Award For Ist Position in M.Sc. Human Development and Childhood Studies II.

Smriti Gupta was awarded the Bhargavi Menon Award For 1st Position in M.Sc. Resource Management and Design Application I

Publications

Technical Series 6 'Compilation of Food Exchange List' (2017) New Delhi. Global Books Publishers. ISBN: 978-93-80570-518.

HEALTHY EATING AND LIFESTYLE: A resource book for young employees of Business Process Outsourcing Industry. New Delhi: Global Books Organisation. ISBN 9789380570556.

TEXTILE SCIENCE-A PRACTICAL MANUAL, DEPARTMENT OF FABRIC AND APPAREL SCIENCE, Elite Publishing House Pvt. Ltd., , ISBN: 978-81-88901-67-8.

Textbook on TEXTILE SCIENCE, Orient Blackswan Private Limited, India, , ISBN No: 978-93-863-92-664.

Textbook of Fabric Science: Fundamentals to Finishing, Prentice Hall of India, New Delhi, India. ISBN:978-81-203-5239-1.

Goel S. (2017). Decorating the Interiors in E-Pathshala in Home Science, Module HO2D103 – Design Process – Sequential Outlining, Project planning & Programming, for National Mission on Education through ICT (NME-ICT), Ministry of Human Resource Development (MHRD). Published by IFLIBNET Center, an inter- University Center of UGC.

Asthana,N.,Choudhary, C.,Malaviya, R.,Kalra, M.,Mehta, R.,Arya,S. (2017) (Ed.) Learning Teachers: Diversity, Inclusion and Ethics, Kanishka Publishers,Distributors, New Delhi, India. ISBN 978-81-8457-757-0.

Kalra, M. (2017) Preserving Heritage Language Through Schooling in India. Springer International Handbook of Education. ISBN: 978-3-319-38893-9.

Projects

Master's students, Department of Resource Management and Design Application (RMDA) worked on various projects in collaboration with Forum for Air Quality (FAQ). FAQ is an organization actively involved in creating awareness on air pollution and conducting active research on air pollution and its ill effects. The students inculcated their knowledge of Project Management, which is also part of their curriculum, by working on Oracle software "PRIMAVERA". The students worked on four projects which were CHAMP project, SAVE ARAVALLI, AIR POLLUTION ACTION and SOCIAL MEDIA & WEBSITE CREATION.

Seminars/ Workshops Organized

Workshop on "Revision of Food Exchange List," with Dr. Anupa Siddhu and Dr. Neena Bhatia, as resource persons,' was organized on 18 May 2017

Seminar/Conference Presentations

Dr. Madhuri Nigam Invited as panelist for "Roundtable on Roadmap for India Life Cycle Assessment (LCA) Network", Organized and hosted by Centre for Responsible Business, as part of CRB's 3rd 'India and Sustainability Standards: International Dialogues and Conference, India Habitat Centre, New Delhi.

Mathur P - 'Capacity building in the micro and small enterprise', during the Global Traditional Food Summit held on 26 February 2017, New Delhi, organized by The Council for Promotion, Research and Trade in Traditional Foods in association with academic organizations and the industry.

Chahal, M., Sekhri, S. and Mathur, R. (2017). "Practical Approach to Sustainable Employment of Persons with Disability in Indian Garment Industry" at National Conference of Fashion, Apparel and Textile, 2017, organized by Amity University on 29 March, 2017 (ISBN: 978-93-86238-19-1).

National/International MoU signed with Indian/ Foreign Universities

Ongoing MOU with Michigan State University- It is student exchange for semester abroad programme. (Department of RMDA)

MOU signed with Syracuse University, New York State, USA.

Other inter-institutional collaboration

RMDA Department faculty (Environment Management and Sustainable Development specialization) also took initiative for getting the preliminary registration done under LEED green building rating system for the college. Efforts are on in getting the college certified under the same. Assignment as an Expert by Ms. Madhuri Nigam with FICCI, for collecting Life Cycle Inventory (LCI) data, creating LCI data sets for agriculture and textile industry in India and Bangladesh, and submitting them to the EcoInvent database, in the framework of Sustainable Recycling Industries Program (SRI) of EcoInvent (Switzerland).

Students under exchange programme

Six inbound students from Michigan State University under the student exchange for semester abroad programme (Department. of DCE) successfully completed their programme.

Placement Details

The Foods and Nutrition department successfully completed first batch of B. Tech Food Technology and 100% placement of students was done in industries and other organizations including Nestle, Perfetti, FRAC, Quality Council of India, TQS Global, Tech 2 Globe, IIP, Sudha Dairy etc.

100% placements for B.Ed. graduates.

Extension and Outreach activities

“Yuva Shakti Mela” was organised on 23 March 2017 in college campus for adult learners participating in the “Each One Enable One” programme of the department. Talk on Nutrition and Healthy Aging for the Senior Citizens Club of Babar Road, New Delhi on 30 April 2017. Training of trainers (ICDS- CDPOs and supervisors) at Community extension Unit, Food and Nutrition Board, Ministry of Women and Child Development, Government of India (2016-17). MSc Final, Food and Nutrition (Public Nutrition) and BSc III Pass, Home Science students conducted a Nutrition and Health Education Program for mothers of infants less than 2 years of age living in slums of Jasola Village on 17 February 2017. Information was provided on IYCF practices, diarrhea, micronutrient deficiencies, immunization and antenatal care during pregnancy.

Number of M.Phil/ PhD’s awarded: 7

Faculty Strength

Total number of Permanent faculty: 48

Total number of Ad-Hoc faculty: 65.

Other Significant Information

The Department of Communication Education initiated a short term course on Corporate Social responsibility with Business and community Foundation, New Delhi. Business and Community Foundation is a certified CSR training organization recognized by Institute of Chartered Accountants of India.

LADY SHRI RAM COLLEGE FOR WOMEN

Major Activities and Achievements

Through the international collaboration, King’s College, London conducted its annual Summer Courses at LSR College from 29 May 2017 to 9 June 2017 for the fifth year in succession. From 11 to 16 September 2017, a large contingent of 18 students from the Faculty of Arts at Macquarie University, Australia accompanied by Professor Andrew Alter visited LSR for a short-term course titled ‘Introduction to India’. Honourable Governor General of Australia, Sir Peter Cosgrove and Her Excellency Lady Cosgrove also visited LSR on 12 March 2018. A wide array of events to mark the 75th anniversary of the Quit India movement were organised under the Sankalp se Siddhi programme on 20 September 2017. On the eve of Women’s day, on 8 March 2018, there was a meaningful dialogue with delegates from developing countries of Asia, Africa, Latin America, and Eastern Europe. In order to strengthen women’s safety, LSR in association with Delhi Police, organized the launch of Himmat Plus Safety App on 22 February 2018. The ICC also organized a gender sensitization campaign that involved street plays and talks. The first Dr. B.R. Ambedkar Memorial Lecture was delivered by Prof. Narendra Jadhav on the ‘Contribution of Dr. B.R. Ambedkar on Women’s Emancipation in India’ on 12 April 2018

Honours/Distinctions

Dr Suman Sharma, Principal received the World Ecology, Environment and Development Award by 26th World Environment Congress on 8 November 2017.

Dr Suman Sharma received the Catalyst of Change Award-2017 by Univariety, UGC (University Guidance Conference), New Delhi, 6 October 2017.

Dr Suman Sharma received the World Women's Empowerment and Development Award by International Association of Educators for World Peace, New Delhi, 11 July 2017.

Dr Suman Sharma received the Women Economic Forum 2017 Award "Women of the Decade in Academia" by Women Economic Forum, New Delhi, 13 May 2017.

Dr Sushila Madan was conferred with "Distinguish Woman" award from Venus International Foundation, Chennai on 3 March, 2018.

Students with Distinctions

Devanshi Rana, a National Shooting Silver medalist bagged first place in Delhi State Shooting Championship. She won the South Delhi District Championship. She also positioned third in Junior Selection Trials. Recently, Divanshi Rana got team Gold in 10m Air Pistol ISSF World Cup at Sydney.

Ananya Bhatt was ranked fourth in finals of 3 position junior women event in Kumar Surendra Singh National Shooting Championship and ranked 6th and 8th in national selection trials 1st and 4th respectively in 3 position junior women event. She also secured rank 6th in 3 position junior women finals in Kumar Sajjan Singh Masters National Shooting.

Ishita Sharma won a Bronze medal in Open Senior Nationals 2018(Gymnastics), she also secured 4 Silver medals in the Delhi State Championship and trained under the Uzbekistan Federation of Gymnastics.

Prerna Mishra is supported by the Sports Authority of India. In the 57th Delhi State Gymnastics Championship she bagged a Gold on Table Vault, a Silver on Floor Exercise and three Bronze medals on Uneven Bars and Balancing Beams. She was also selected as an All Round Gymnast and is now going on to participate in the Commonwealth Trials.

Deepanjali Sharma won Silver medal in 800m race and a Bronze medal in 400m race at the Delhi State Athletics Championship. She represented Delhi at the Junior Federation Cup Athletics Championship. She bagged a Gold medal in the 4x400m relay race and participated in 800m race. In the inter college championship she won a Gold in 800m and a Silver in the 4x100m relay race and also participated in 400m race. She also won a Bronze medal in the inter college cross country championship and represented DU at the All India inter university cross country championship. She secured first position in the LSR Cross Country Run which supported the cause of 'Educating Girl Child'.

Publications Total Number

Aggarwal, R., Kaur, B., & Yadav, S. (2017) Robe's Restricted Problem of 2+ 2 Bodies with a Roche Ellipsoid-Triaxial System. *The Journal of the Astronautical Sciences*, 1-19.

Darbari, J. D., Kannan, D., Agarwal, V., & Jha, P. C. (2017) Fuzzy criteria programming approach for Optimizing the TBL performance of closed loop supply chain network design problem. *Annals of Operations Research*, 1-46.

Ghosh, J. B. (2018) Tower of Hanoi: Exploring Multiple Representations. *Mathematics Teacher*, 111(6), 446-453.

Jain, P., & Singh, M. (2017) Hilbert inequality grand function spaces. *Ricerche di Matematica*, 1-10.

Kalra, S. (2017) *Tere Shehar mein*. New Delhi: Hind Gugn Publication. (ISBN no.978-93-84419-69-1)

Kumar, A (2017) *Cyber Laws*. New Delhi: Book Age Publications (ISBN :978-81-935957-2-5)

Kumar, M., & Srivastava, S. (2018) Convergence of powers of composition operators on certain spaces of holomorphic functions defined on the right half plane. *Archiv der Mathematik*, 110(5), 487-500.

Minocha, A. (2018) Alternative Literary Modernities: A Voice from Colonial Punjab. *Zeitschrift für Anglistik und Amerikanistik*, 66(1), 35-48.

Kumar, M., Vajala, R., Sharma, K., Singh, S., Singh, R., Gupta, U., & Bhattacharjee, J. (2017) First-trimester reference centiles of fetal biometry in Indian population. *The Journal of Maternal-Fetal & Neonatal Medicine*, 30(23), 2804-2811.

Sabharwal, G. (2017) *India Since 1947: The Independent Years*. UK: Penguin

Journals Published by the College

Èclat (Department of Mathematics)

Ijtihad (Department of History)

Sehar (Department of Elementary Education)

Jabberwock (Department of English)

Tejas (Department of Sanskrit)

Learning Curve (Department of Psychology)

Ecolloquial (Department of Economics)

Comcorde (Department of Commerce)

Sabab (Department of Political Science)

Noesis (Department of Philosophy)

The Fieldwork Journal (Department of Sociology)

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board - 4

Research Projects

The Principal, Dr. Suman Sharma is awarded Major Research Project by Indian Council of Social Science Research (HRD), titled “Collaboration between Schools and Institutions of Higher Education: Benefits and Challenges”.

Dr. Bindu Menon has undertaken the research project “Migrant cartographies: migrant media in the Gulf Council cities”, funded by International Institute of Asian Studies, Leiden, Netherlands.

Dr Monika Singh, is member, an ongoing Indo-Russian project (started w. e. f. November, 2016) being done in collaboration with South Asian University, New Delhi funded by DST. Duration of the project – 3 years

Dr Shenaz Cama is involved in the following research project: Ministry of Minority Affairs Project - Jiyo Parsi

Phase - 2, 2017 onwards. PI & Director as Director UNESCO Parzor.

Dr Shenaz Cama is involved in the following research project: Ministry of Minority Affairs - Hamari Dharohar –

Protecting Parsi Heritage: Navsari, 2018. PI & Director as Director UNESCO Parzor

Seminars Organized

The Department of Elementary Education organized a two-day ICSSR-sponsored- national seminar on ‘Alternative and Innovative Education in India- The Way Ahead’ on 26 and 27 of March, 2018.

The BA programme Department organized “*Samagam- On the Ramparts*” organized on 21 and 22 March 2018.

The Political Science Department organised the seminar POLPOURRI between 23 and 24 March 2018. The theme for the seminar was ‘Politics of Emotions’

The Mathematics Department organised a seminar “Enigma” 23 and 24 February 2018. It included a panel discussion on ‘Redressing Gender Imbalance in Mathematics: strategies and outcomes.

The Sanskrit Department organised a one of its kind ‘Students’ Seminar’. The theme of the seminar was “Ethics of Life in Sanskrit Literature”. Post -Graduate students from Delhi University as well as Jawaharlal Nehru University participated in the paper presentation.

Conferences Organized

The Psychology Department organized conference of the on 23 and 24 March 2018 with the theme 'Psychosocial Conundrums in Contemporary India.

The Department of English chose to explore the field of Indian children's literature in a conference entitled 'No Child's Play: Literatures and/or Childhoods in Contemporary India'.

The Economics Department organised a conference Econovista on the 18, 19 and 20 January 2018. The theme was 'India at 70: The Economic and Social Crossroads.

The NSS unit organized its Annual Conference *Nexus*, its annual youth conference on the theme '*The Catalyst for Change: Youth and the Social Sector*'. The conference witnessed participation from NSS chapters of many colleges that came together for stimulating debate and discussion on the various sub themes: *Substance Abuse, Mental Health and Trauma Shaming, Cyber Bullying and Social Entrepreneurship*.

Seminar/Conference Presentations

Dr. Suman Sharma delivered a public lecture in the Official Entrance Ceremony of Fukuoka Women's University, Japan on 3 April, 2018.

Dr. Suman Sharma delivered a lecture on "*Role of Youth and Disaster Reduction*" ICSSR sponsored CapacityBuilding Workshop on Social Science approach to Disaster Reduction, 16 February 2018 organised by Special Disaster Research Centre, JNU.

Dr. Suman Sharma delivered Presentation on "*Women in Developing Countries*" – Indian Technical and Economic Cooperation (ITEC) delegates from Asia, Africa, Europe and Latin America at LSR on 8 March 2018.

Dr. Suman Sharma presented a paper in 3rd World Congress on Disaster Management on the topic "*DisasterReduction: A case study of South Asia*" held in Visakhapatnam, 06-10 November 2017.

Dr. Suman Sharma invited for the 6th Asia-Europe Foundation (ASEF) Rectors' Conference (ARC6) delivered a lecture on the topic '*Future-ready Universities and Graduates: Quality Education Beyond the Horizon*' Singapore, 12-13 October 2017.

Dr. Suman Sharma presented a paper on "*Climate – change and renewable energy – A case study of South Asia*" at International Studies Association Conference held in Faculty of Social Sciences, University of Hong Kong, 15-17 June 2017.

Dr. Arvind Kumar delivered a lecture on "*Role of Technology to enhance the work efficiency of teachers*" in 02 Days national Seminar "Total Quality Management in Teacher Education Programme in Purview of Solidarity in Society and Nation Building" organized by Mewar Institute of Management, Ghaziabad, 7 April 2018.

Dr. Shernaz Cama presented a paper titled "*An Ancient Spiritual Bond: The Yasna and the Yagna of Iran and India*" at Conference The Asian Cultural Dialogues on Cultural Diversity and Co-operation held during 13-15 January 2018, Ferdowsi University, Mashhad, Iran.

Dr. Maya Joshi delivered a Public Lecture "*Travelling Selves: Thoughts on Birth, Being, and Belonging*", by the Department of History and the Rohatyn Centre for Global Affairs, Middlebury College, Vermont, U.S.A., 18 October 2017.

Dr. Wafa Hamid delivered lecture on '*Indian Culture through English Language*' as part of the Soka University-St. Stephen's College Academic Partnership Programme, 22 February-15 March 2018, St. Stephen's College.

National/International MoUs Signed

With Indian/Foreign Universities: 9

Brown University, USA; LA Trobe University, Australia; NUS, Singapore; Middlebury, USA; Fukuoka Women's University, Japan; King's College, London; SciencesPo, Paris; American Graduate School, Paris; UCD Michael Smurfit Graduate Business School, Ireland With Indian/Foreign Companies/Industry: 3

Students under Exchange Programme

Inbound: 4 and Outbound: 10

Placement Details

Number of Companies for Placements: 131 (70 on campus)

Number of Final Placement Offers: 128

Percentage of students offered: 32%

Extension and Outreach Activities

To help students assume leadership of movements of social transformation, the College in addition to NSS and NCC, has initiated four Innovative Programmes – the Voluntary Agency Placement Programme which provides opportunities for students to make a positive contribution to community development and social welfare, Dhyana the Society for Consciousness and Awareness which encourages experiential learning, the Women's Development Cell which engages with women's issues and REACH which is an acronym for Reaffirming Equity, Access, Capacity and Humanism and deals with issues of affirmative and inclusive learning.

Library Development

The College Library with its fully computerized user-friendly data filing system has an invaluable collection of about 111000 books, 6481 bound journals, 1300 reprographic material and about 350 CDs and DVDs. It subscribes to a range of newspapers, national and international journals. The library has a book bank section, which enables students to borrow on a long-term basis. The Library is linked to the Delhi University Network, facilitating access to text and material. The Library is open from 8.00 am to 8.00 pm and is fully computerized with an error free database of all books and bound journals, created and maintained by the in-house team.

Faculty Strength

Total number of faculty: 151

Financial Allocation and Utilization

Grant sanctioned: Rs. 25,09,10,000

Grant Utilized: Rs. 29,37,44,641

LAKSHMIBAI COLLEGE

Major Activities and Achievements

In the growth of the institution, the backbone is its infrastructure. This year the college has worked concertedly towards enhancement of its infrastructural capacity for the students as well as the faculty and non-teaching staff. From the building of eight classrooms (Porta Cabins) with a spacious Toilet Block to the development of Creche by renovating annex Block near the Principal's Bungalow; executing electrical restructuring by laying new cables underground to constructing new sewer line in the campus; installing Solar Panel of 76.8W to the opening of Open Gym with MPLAD Fund are among the major developments. Apart from this, the notable steps forward for the year in infrastructure include fully furnished Waiting Shed near the parking, construction of Admin Block (SPS), ground plus two Storey structure coming up behind the Library, development of Outdoor Canteen Area with boundary and pavement, construction of boundary wall of the Sports Ground and a Toilet Block, construction of Open Stage and pavements for Cultural Programmes, aluminium partition in Courtyard area and at other places creating Medical Room, Girls Common Room and five other rooms to be used for different purposes, installation of RFID Entry Recording System at the Library Gate, Girls Common Room and Library, construction work initiated to cover the Courtyard with transparent roof and installation of Rain Water Harvesting System.

Honours/Distinctions

Lakshmibai College was awarded 27th Rank in NIRF.

The Lakshmibai College received Best Managed Campus Award 2017, by International Association of Educators for World Peace (affiliated to UN), at 38th World Management Congress, held at India International Centre, New Delhi, 21-22 December 2017.

Dr. Isha Chawla, received Exim Bank International Economic Research Annual (IERA) Award 2016 at the Award Function held at India Habitat Centre, New Delhi, on 02 August 2017.

Dr. Seema Kaushik received Veerta Puraskar Award 2017 for best contribution in NCC.

Dr. Sucheta Gauba was selected for Meritorious College Lecturer Award, Directorate of Higher Education, GNCTD in March 2018.

Students with Distinctions

Divya secured Gold Medal for India in Subroto Cup International Power-lifting Championship held at Delhi

Reecha Singh stood 1st in Small Bore and 2nd in Big Bore Rifle in the 27th All India G.V. Mavlankar Shooting Championship. She also won 2nd position in the 60th National Shooting Championship in Big Bore Rifle Event.

Bharti secured 1st position in IDBI Marathon, while Kavita stood 2nd in Half Marathon in the same event.

Neeshu stood 1st in 4x400 m. relay in the Federation Cup Jr. National Athletics Championship.

Sushmita won 2nd and Monika bagged 3rd position in Youth National Boxing Championship.

Publications

Chaturvedi, Dr. Sucheta. (2017) *Representing Violence Against Women in Post Colonial Indian Writing*. Published by LAP. (ISBN 978-3-330-33140-2).

Harneja, Dr. Alka. (2018) Life Insurance Needs of Indian Women, in “FINANZA The Ruppee Matters”. *Finance Newsletter*, I (1, Jan18-June18), 13-14.

Harneja, Dr. Alka. (2018) Online Life Insurance: Buyers Perception. *International Journal of Research and Analytical Reviews*, 5 I (1, Jan. –March 2018), ISSN 2348 –1269, Print ISSN 2349-5138 <http://ijrar.com/> Cosmos Impact Factor 4.236

Malhotra, Dr. Anita. (2017) Development and Validation of Health Education Tools and Evaluation Questionnaires for Improving Patient care in Lifestyle Related Diseases. *Journal of Clinical and Diagnostic Research*, 11(5): 6-9.

Malhotra, Dr. Anita. (2018) Non Alcoholic Fatty Liver Disease: Problems in Perception and Solution. *Journal of Clinical and Diagnostic Research*. 1-5.

Sharma, Dr. Lata (2017) Design and Development of Solar Autoclave, published in *Indian Journal of Science and Technology*, 10 (21), 1-6. ISSN (Print): 0974-6846, ISSN (Online): 0974-5645. DOI:10.17485/ijst/2017/v10i21/114491,

Sharma, Dr. Lata (2017) Solar Autoclave. *Global Multidisciplinary*, 9 (10, October). ISSN: 2249 –2054, Impact Factor: 3.578, 172-183.

Gauba, Dr. Sucheta. (2017) Financing of Corporate Investment: Panel Data Evidence from Indian Manufacturing Firms. *Asian Journal of Management*, 8 (3), 471-478. ISSN 0976-495X, online ISSN 2321-5771).

Gauba, Dr. Sucheta. (2017) U-shaped Relationship between Investment and Cash flows: Panel Data Evidence from Indian Manufacturing Firms *International Journal of Business, Management and Allied Sciences*, 4 (4), Pages: 135-142. (ISSN:2349-4638).

Gauba, Dr. Sucheta. (2017) A Study on Impact of Demonetization on Pradhan Mantri Jan Dhan Yozana. *Demonetisation, Digitisation and Financial Inclusion* (ISBN 817026380-8), 117-128.

Research Projects

Title: “A study of the Modern Life Style obstacles of youths in Metro cities of India”, year/period – 2017-18, Funded by Rajiv Gandhi National Institute of Youth Development (RGNIID), Amount Sanctioned: Rs. 5,20,000/-.

Seminars Organized

Peace Seminar in collaboration with HWPL South Korea organized by Lakshmibai College on 26 April 2017.

National Seminar on “Media, Mahila aur Nyay” organized by the Department of Hindi on 15 November 2017.

Conference Organized

A Two days’ Workshop on “Team Building and Building Trust in Relationships” organized by IQAC and AEPIC and conducted by Mr. Digvijay Rapoot, Master Skill Trainer, Centum Learning at Lakshmibai College, University of Delhi, 22-23 March 2018 for the academic staff and from 26-27 March 2018 for non-academic staff.

A two-day workshop on Entrepreneurship Awareness organized by NIESBUD (Ministry of Skill Development, Government of India) for Lakshmibai College students from 16 to 19 March 2018.

Seminar/Conference Presentation

Dr. Pratyush Vatsala, Principal presented a paper titled 'Security as Human Value: Issue of Human Security in Indian Subcontinental Operations' at 19th International Conference on Human Rights and Human Security held at Paris, France, 25-26 June, 2017.

Dr. Pratyush Vatsala, Principal, presented a paper titled "Vidushi Maitreyi se Vishwasundari Manushi tak Stri: Adhunikta aur Chunautiyan" at a Seminar on 'Stri Shakti- Bhartiya Thought and Practice' organized by Group of Intellectuals and Academicians on 28 Jan 2018.

Dr. Lata Sharma co-presented a paper titled, "Solar Autoclave" at 6th International Conference on Sustainable Development of the Society: Current Trends and Future Outlook, organized by Swami Shradhanand College, University of Delhi, in association with South Asia Management Association and Jabalpur Association, 26-28 August 2017.

Dr. Lata Sharma co-presented a paper titled, "Contribution of Indian Companies in Sports Promotion Through CSR" at International Conference on Issues & New Ideas in Sports Management, organized by Lakshmibai National Institute of Physical Education, Gwalior (M.P.), at Vigyan Bhawan, Delhi, 8-10 March 2018.

Dr. Lata Sharma co-presented a paper titled, "Corporate Social Responsibility: A New Perspective Towards Inclusive Development" at 10th International Conference on Strategies for Promoting Inclusive Development (IC-SPID-2018) organized by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association 17-18 March 2018.

Dr. Alka Harneja co-presented a paper titled, "Corporate Social Responsibility: A New Perspective Towards Inclusive Development" at 10th International Conference on Strategies for Promoting Inclusive Development (IC-SPID-2018) organized by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association 17-18 March 2018.

Dr. Alka Harneja co-presented a paper titled 'Upliftment Of Indian Sports Through Corporate Social Responsibility', at International Conference on Issues & New Idea in Sports Management, Organized by Department of Sports Management and Coaching, LNIPE, Gwalior (M.P.) (08 – 10 March, 2018).

Dr. Alka Harneja co-presented a paper titled 'Corporate Social Responsibility: A New Perspective Towards Inclusive Development' in 10th International Conference On Strategies for Promoting Inclusive Development (IC-SPID-2018) 17-18 March 2018 Organised by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association and Jabalpur Management Association. Abstract published in the conference proceedings.

Dr. Anita Malhotra co-presented a research paper titled 'Intake of gluten in Indian patients with celiac disease and their first-degree relatives: a pilot study'. 17th International Celiac Disease Symposium. Delhi 8-10 September 2017.

Dr. Isha Chawla presented a paper titled "FDI and Exports", (co-author, Prof. Bishwanath Goldar) at the seminar on 'FDI: Issues and Policy', organized by Forum for Global Knowledge Sharing, hosted by the Centre for Policy Studies, IIT Bombay, Mumbai on 24 February 2018.

Placement Details

8 students were placed in various companies.

14 companies visited for campus recruitment.

Extension and Outreach Activities

College students continued their best efforts in NSS and NCC. They brought different accolades to the college by participating in various activities at National Level. College also runs NCWEB and IGNOU centers to provide facility of education to those students who are not able to be part of regular college but still is in pursuit of knowledge. The results of the students have remained satisfying in this academic year as well.

Library Development

The library committee of the college has been making efforts to improve and develop facilities. The three storey structure is being renovated and seating arrangements are being improved. With more staff we hope to realize the target of having a well equipped library. Reading space for students and faculty is being developed with facilities. Old books are being weeded out so that new books can replace them. In January

2018 the process of weeding was initiated and the old books were offered to students and faculty for a nominal fee.

On 2nd February 2018 the Annual Book Fair was organized in the college lawns. More than 25 book stalls offered the latest books to the students and faculty. The event saw enthusiastic participation. Four competitions were organized on the occasion. Book art designing, book mark making, slogan writing and poster designing competitions saw keen participation of students. The endeavor to improve the Library continues.

Faculty Strength: 155

Financial Allocation and Utilization

Grant Sanctioned: Rs. 27,15,93,000/-

Grant Utilized: All utilized

Other Significant Information:

The various societies in our college are another kind of performative platform for the students. Societies such as the Women's Development Cell play an important role in the idea of 'un-learning', that is, rejecting indoctrinated and regressive thought-patterns. This is achieved through seminars and panel discussions on gender politics but equally through creative and experimental forum such as plays put up by the students. What is also worth a mention is how the work of separate committees often finds a meeting point. 'Navrang', our Dramatics Society, reinforces the same idea of protest against social inequity through innovatively designed performances. Recently, in fact, sounds of robust and bold self-expression rang through the college as an inter-college Nukkad Natak competition was held in the lawns of the institution. This is in sync with our efforts to move the teaching-learning process out of the classroom and to tap to the full other critical and incisive forms of expression.

MAHARAJA AGRASEN COLLEGE

Major Activities and Achievements

Recognition that the college has earned nationwide, is reflected in the surveys of last four years. In these surveys, our college has been ranked in higher positions, in both the Sciences and Humanities. In survey of India's Best colleges by India Today and Nielson Company, our college has secured the 22nd rank. In National Institutional Ranking Framework conducted by Ministry of Human Resource Development, Govt. Of India, the college has been placed at 32nd position. The college has also been accredited with "A" by NAAC. Many publications in National and International journals, many paper presentations and many projects at various levels have been the achievement of our faculty. Increase in the 1st divisions and higher percentage of marks has been another achievement of our students. NSS committee and active students have been working towards social upliftment of socially and economically deprived students.

Honours/Students with Distinctions

Akash Jain of B.Sc. Mathematical Science secured 90.86%.

Manzari Kushwaha of B.Sc. Physical Science secured 90.1%.

Mohit Rustagi of B.Tech. Computer Science secured 89.5%.

Uma Rani of B.Sc. Physical Science secured 88.9%.

Pushp Raj of B.Tech. Electronics secured 85.4%.

Publications

Prasannan, A.R., Aggarwal, J., Das, A.K., Biswas, J. (2017) A class of mappings between R_z -Supercontinuous functions and R_δ -Supercontinuous function. *Honam Mathematical Journal*, Vol. 39 4:pp 575-590.

Chawla, G. (2017) "Foreword" *Re-storying the Indigenous and the Popular Imaginary* Volume III, ISBN 978-93-5207-385-6 Authorspress Publishers, New Delhi.pp. Vii-xx

Das, I. (2018) Bollywood Dance: Desire for the 'Other. in book titled *Dance Matters Too: Markets, Memories, Identities.*, eds. PallabiChakravorty and Nilanjana Gupta. Abingdon and New York: Routledge,. ISBN: 978-1-138-10637-6

Sinha, M. (2017) The Cultural Value of the Wedding Narrative on Indian Television: Band Baaja Bride' in Phillip Drummond (ed.) "London Film & Media Reader 5. Questions of Cultural Value". Kindle e-book: Amazon.

Gupta, P. (2018) Deep Neural Network for Human Face Recognition, I.J. Engineering and Manufacturing, , 1, 63-71 Published Online January 2018 in MECS, DOI: 10.5815/ijem.2018.01.06, ISSN: 2305-3631 (Print), ISSN: 2306-5982 (Online)

Kumar, R., Shethy, P. (2018) India's Candidature for Permanent Membership of the UN Security Council, Mainstream Publications , ISNN- 0542-1462.

Ram, R., Rahaman, M., Aldalbahi, A., Khastgir, D. (2017) Determination of percolation threshold and electrical conductivity of polyvinylidene fluoride (PVDF)/short carbon fiber (SCF) composites: effect of SCF aspect ratio, PolymInt. 66: 573–582.

Mittal, S. (2018) Delhi in Ahmed Ali's Twilight in Delhi' in *Acme International Journal of Multidisciplinary Research*, Vol. 6(1), (ISSN: 2320-236X).

Shukla, S., Srivastava, P.K., Rai, P. Spiritual Ecology and Sustainability: Practice and Confluence, Authors press, ISBN- 978-93-5207-386-3.

Kumari, V., Sachin, Singh, S., Saxena, M., Gupta, M. (2017) Analytical Drain Current Model for Gate and Channel Engineered Ring FET (GCE-RingFET), Elsevier, Superlattice and Microstructure.

Research Projects

Title: Culture and Communication in Global Organizations, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr Sunil Sondhi.

Title: Cyber Security Help System, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.Meena Mehta, Dr Preeti Gupta and Dr.Vandana.

Title: Develop a Strategy for the In-house Performance Appraisal and Management of the Employees in the University of Delhi, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.T.N.Ojha, Dr.Kalpna and Dr. Priya Gupta.

Title: Developing E-Learning Materials for Information Management of Higher Education, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Mr. S.K.Rinten,Mr.Vinay Rai and Ms.Rachita.

Title: Strategic Management of Higher Education Institutions : A Case Study of University of Delhi, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.Sanjeev.K.Tiwari and Ms.Sushmita.

Seminars/Conference Organized

Department of Biology participated in the organization of the 6th National Conference on "Biodiversity and Climate Change" with the sub theme "Wildlife Ecology, Conservation and Iconology".

'GST Talk 2.0' was organized by the department in order to incorporate knowledge of the new GST regime in the students. A huge participation of students and great enthusiasm was seen in this event, where C.A. Navya Malhotra was invited to impart the knowledge about ground level of implementation of this taxation system in our country and to share his observation in this context.

Seminar 'Startup and innovation' was again held in the month of August, in which guests like Mr. Saumyajit Guha, Mr. Yuvraj Bhardwaj and Mr. Vijay Rathee were invited.

A symposium dated 22 August 2017 was held on the topic "Kashmir Problem :The issue of Article 35A" and the chief guest was Shri Ashutosh Bhatnagar Executive Director Jammu & Kashmir study Center and the guest of Honour was Shri Yashraj Bundela Advocate, Supreme Court of India .

Seminar/Conference Presentations

Ranvijai Ram, M. Rahaman, D. Khastgir, "Green method of preparation of Polyvinylidene Fluoride (PVDF)- Carbon Nanotube (MWCNT) Based Nanocomposites: Physico-mechanical properties" International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow, 3-4 October 2017, Organised by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi.

Vandana Kumari Manoj Saxena, Mridula Gupta “Variability Investigation of Double Gate Junctionless (DG-JL) Transistor for Circuit Design Perspective, VDAT”-2017

Vandana Kumari, Abhineet Sharan, Manoj Saxena, Mridula Gupta, “Study of Extended Back Gate Double Gate Junctionless Transistor: Theoretical and Numerical Investigation, International Workshop on Physics and Semiconductor IWPSD”-2017

Charu Arya, Paper Presented titled – “*Broken Identities and Self in the Caste Communities- Voices in Autobiographies*” in the National Conference on ‘Limbale’s *The Outcaste* and Dalit Resistance on 22 March 2018, organized by Department of English, Dyal Singh Evening College, University of Delhi.

Debosmita Paul, Paper Presented: "Narratives of power and Pain: Folk Songs of Bengal and Bengali Identities" at 41st Indian Folklore Congress, organised by Manipur University, Imphal, November 2017

Sushil Yadav, "Resonance in a Geo-Centric Satellite due to Earth's Equatorial Ellipticity" in the National conference on Advances on Applied Mathematics and Statistics at Mata Sundri College, University of Delhi during 7-8 September 2017.

Neeraj Kumar, “Identification of the “Pandava Trail” in Karsog Valley of Himachal Pradesh and Influence of Pandavas / Mahabharata Heroes in Local Culture and Folk Songs” in National Conference on “Fostering Quality Research in Higher Education” on 23-24 March 2018

Sushmita Rajwar, “Asia-Africa Growth Corridor: What is in store for the future?” in Symposium on Asia-Africa Growth Corridor: Opportunity and Challenges, CAS, JNU, 15 March 2018.

Priya Gupta, “Conversational User Interface: A Paradigm Shift in Human Computer Interaction” at 5th International Conference on Business Analytics and Intelligence organized by Business Analytics and Intelligence (BAI), IIM Bangalore, 11-13 December 2017

Sushmita Rajwar, Japan and Africa Relations: Opportunities for India” in International Seminar on India and Africa: An Afro-Asian Perspective, Academy of International Studies, Jamia Millia Islamia, New Delhi, 15th-16th January 2018.

Extension and Outreach Activities

Swachhhta Program: “Zero Impact On Environment”- group of MAC-NSS organized weekly cleanliness drives in the College and nearby areas including the market for 'four' months. The team also organized awareness hours too, where the volunteers interacted with peers about necessity of keeping surroundings clean Project ABHI (Agrasen Baroji Help Initiative) : The MAC- NSS unit has adopted Baroji village in the Mewat district of the state of Haryana. This year two visits were made to the village on 4th November 2017 and a three day camp was organized in January 2018, to interact with villagers, hold plantation drives, workshop for villagers to apprise them about government policies for them. A ‘Run for Unity’ was organised on 31st October 2017 on the occasion of Rashtriya Ekta Diwas (the birth anniversary of Sardar Vallabhbhai Patel) Around 30 NSS volunteers participated in the ‘Run For Unity’ to spread the message of unity in the society. Syaahi (The writing Club of MAC-NSS) -It was established as an online blog and has already published six editions with various write-ups from poems to opinion pieces. Syaahi, since its inception, has been receiving a huge number of write ups not only from the students of our college but from students of other colleges and from those in other states Pedal Power: MAC-NSS has a very active bicycle club with more than 40 members. Project “Akshar”: In this project volunteers provide quality education to the children from underprivileged section of the society. The stationery items are provided free of cost to the students. The money for the same was raised during the Annual Diwali Mela. On 14th November 2017 Akshar celebrated ‘children's day’ with more than 100 children from nearby slums and villages. Under Project Precision Agriculture for water conservation, models were developed in college and workshops organized in villages. Project Farm Waste Decomposting: Keeping in view the problem of stubble burning as the main cause of pollution in Delhi-NCR region, the NSS team held workshops in villages to apprise the villagers of various techniques available to decompose farm waste and distributed the decomposing culture. Plantation Drives: Several plantation drives were organized by MAC-NSS in collaboration with MAC-INSERCH. Visit to village Jharoda: In collaboration with Dept. of Social Welfare, University of Delhi. Workshop on Stress Management: “Nitai Sound Yoga” workshop was conducted by anti stress yoga experts for the teachers and students. Workshop on Community Sensitisation towards Visually Impaired Persons was organised.

Library Development

The college library has more than 40,524 books and 47000 National and International e-journals and other important e resources related to Science & Technology, Social science, Arts and Humanities. Library fully managed by ALICE FOR WINDOW (library Automation software). Library organized library orientation programme, book exhibition workshop etc time to time for users need.

Library books loan Facilities.

CAS (Current Awareness Service)

List of Additions of books added recently in the Library and mailed to faculty and students for their reference.

News Alert is weekly provided through scanning of latest news and articles from national news papers. The book jackets of the new books are displayed on the board.

Photo Copy Facility This service is outsourced.

Bibliographical Service (Users on Demands).

Journals, Magazines, News papers Reading Facilities.

Reference Service: Our expert Library Staff is always available to assist the readers in locating the information and documents through, Ready Reference Service and Long Range Reference Service and E-Resources Service through DULS network and N-LIST Services through UGC Inlibnet Ahmadabad Gujarat

Library workshop: MAC, DU Library organized a one day library workshop on dated 20 April 2017 the topic 'Information literacy: Access & Retrieval' it was grand success. Library Book Exhibition: MAC, DU Library organized a two days library book exhibition on dated 17-18 August 2018 .it was about more than 30 reputed book publishers/distributors participated. Library Orientation Programme: MAC, DU Library organized a two weeks Library Orientation programme in august 2017 for 1 year students as per Departments batch wise schedules. Library of Maharaja Agrasen College, University of Delhi "NAAC" Grade (A) Certified. N-LIST, -(National Library and Information Services Infrastructure for Scholarly Content) facility in our college library for our library users in which more than 5000 e journals and e books access through login password users can be access any place any time without go to library building. Back years question papers facility for students .Available course Syllabus in print form our college library. Classification facility improved in library. Index Guide on the book racks for to make easy searching of existing books. -Library facility Separate cabine. Books arranged as per classified order. Monthly catalogue information services through mail for users. Catalogue data updated as per users demands through library software. New Arrivals display facility.

Next Future Planings

RFID Technology System (Radio Frequency Identity Device).It's Advantages; self book checks-in/check-out, books security, quality based library management System, Easy to use, Time saving to users. Lookup the misplace material etc. WEB OPAC Library Facility: Worldwide searching facilities. Web OPAC is the online public access catalogue which allows users avail the services and Databased of the library using internet.

Faculty Strength

Total number of Permanent faculty: 63

Total number of Ad-Hoc faculty: 53

Total number of Temporary faculty: 01

Financial Allocation and Utilization

Grant sanctioned: Rs. 22.84 Crore

Grant Utilized: Rs. 20.54 Crore (Approx.)

MAHARSHI VALMIKI COLLEGE OF EDUCATION

Major Activities and Achievements

The academic session started with an orientation programme addressing all aspects of the two-year B.Ed. programme. The Foundation Day of the College was celebrated in Nov, 2017. Professor Meenakshi Thapan, Professor of Sociology, Delhi School of Economics, University of Delhi, delivered a talk on 'Contemporary Relevance of J. Krishnamurthy's World View and Educational Thought'. Visit to National Museum, Gandhi Smriti and Darshan Samiti, National Bal Bhawan and Indian National Science Centre was organized for the B.Ed. Ist year students as part of their Field Observation. Students whole-heartedly participated in the special assemblies marking Independence Day, Teachers Day, International Democracy

Day, World Sight and White Cane Day, and Human Rights Day. Special co-curricular programme were organized by the students on Environment Sensitization, Gender Sensitization, Voter's Day, World Health Day, and Earth Day. The students actively participated in the Swachhta Pakhwara, and Sikkim Weekunder Ek Bharat Shreshtha Bharat Programme on the specified days.

Publications

Ashwini, S.. (2017) Mansik Gulami Ko Banaye Rakhane Wale Tantra Ke Roop Main 'English Medium System/ Angrezi Madhyam Vyavastha. Chaatra Vimarsh Patrika.

Jyoti.K. (2017) A Study of Academic and Professional Aspirations of Indian Adolescents. *MERI Journal of Education*. Vol. 12 (2).

Seminars Organized

Seminar, 'Reconstructing Professional Identity: Some Reflections' by Professor Bharati Baveja, Former Head & Dean, Faculty of Education, University of Delhi.

Seminar, 'Curriculum in India: Narratives, Debates, Contestations' by Professor Poonam Batra, Department of Education, University of Delhi.

Seminar/ Conference Presentations

Dr. Jyoti Kohli was Resource Person in a two-day Workshop for vetting and finalising English Workbook for Class IX, organised by the Department of Curriculum Studies, NCERT in February 2018.

Dr. Raghavendra Prapanna was panellist in the National Seminar on 'Language, Literature and Gender in the Contemporary Scenario' organised by Department of Education, University of Delhi in February 2018.

Library Development

The library subscribed to 18 journals besides the e-journals available to it through DULS.

Faculty Strength

Permanent – 14; Ad-Hoc – 04

Financial Allocation and Utilization

Grant Sanctioned Rs. 7.66 Crores

Utilized Rs. 4.6146138 Crores

MAITREYI COLLEGE

Major Activities and Achievements

Maitreyi College has an established and continuous tradition of achievements in Academics, Sports, N.C.C. and other cultural activities. The Hon'ble Vice-President of India, Shri M. Venkaiah Naidu was the Chief Guest at the Golden Jubilee celebration of Maitreyi College on February 27, 2018. Prof. Yogesh K. Tyagi, the Vice-Chancellor of Delhi University was also present on the occasion as Guest of Honour and Mr. Amitabh Kant, the CEO of NITI AAYOG as a Special Invitee. Maitreyi College was one of the 75 educational institutions chosen by the Ministry of Human Resource Development to celebrate 70 years of India's Independence and 75 years of 'Quit India Movement'. A one day Ultra Run of the EME 50 Days 50 half marathons Closing Ceremony was hosted by the College along with a yoga session on the occasion of the Platinum Jubilee Year, Ministry of Defence in March, 2018.

Honours/ Distinctions

Former Principal, late Dr. Savita Datta received several prestigious awards, the World Ecology, Environment & Development (WEED) Award 2017 from International Association of Educators for World Peace, Bharat Ratna Indira Gandhi Gold Medal Award 2017 by the Global Economic Progress and Research Association and Exceptional Women of Excellence Award 2018 by Women Economic Forum.

Students with Distinctions

Divyanshi Sharma, B.Sc. (H) Mathematics III year secured first position in Delhi University

Aafreen Khan, B.Sc. (H) Zoology III year secured first position in Delhi University

Himanshi Yadav, B.Sc.(H) Zoology I year secured first position in Delhi University

Shweta, B.Tech. Computer Science IV year secured highest marks in the college

Monika Soni, B.Sc. (H) Chemistry I year secured highest marks in the college

Oshin Sharma is the first student from the College to become an 'A' Level Adjudicator by breaking in two consecutive English Debating tournaments.

Publications (selected)

Babbar, S., Sehgal, S. (2018) Mutual Fund Characteristics and Investment Performance in India. *Management and Labour Studies*, 43(1), 1-30.

Badhani, S., Muttou, S. K. (2018) Evading android anti-malware by hiding malicious application inside images. *International Journal of System Assurance Engineering and Management*, 9(2), 482-493

Bagai, M. (2017) Sahaja Yoga: Realizing the Inner Peace. New Delhi: APH Publishing Corporation.

Chaudhary, A., Khurana, J.M. (2018) Advances in the Synthesis of Xanthenes: An Overview. *Current Organic Synthesis*, 2018, 15, 341-369. Doi: 10.2174/1570179414666171011162902. ISSN (Print): 1570-1794.

Gupta, R., Abraham, J.S., Somasundaram, S., Toteja, R., Makhija, S., Hamed A El-Serehy (2017) Taxonomic and Morphogenetic description of freshwater ciliate *Aponotohymena isoautralis* n. sp. (Ciliophora; Oxytrichidae) isolated from Sanjay Lake, Delhi, India. *Acta Protozoologica*, 56: 93-107

Jyotsna, Sherwani. N.U.K. (2017) BIMSTEC: FDI and Trade Economic implications for India, *Emerging Issues in Finance*, 44- 55.

Lumb, S., Lumb, S., Prasad, V. (2018). Rotational excitations of diatomic molecule with delta potential barrier. *Journal of Theoretical and Computational Chemistry*, 17(4), 1850022. DOI: 10.1142/S0219633618500220

Muttou, S. K., Badhani, S. (2017) Android malware detection: state of the art. *International Journal of Information Technology*, 9(1), 111-117.

Roy, B., Singh, J., Sunsunwal, S., Dayal, G., Yadav, B., Bhardwaj, C., Teotia, A. (2017) Detection of Harmful Adulterants in Milk Supplied to Delhi, India. *Current Science*, 112 (11): 2316-2320. <https://doi.org/10.18520/cs%2Fv112%2Fi11%2F2316-2320>

Yadav, M. (2017) Significance of FGF-2 during tail regeneration in lizards: A review. *Journal of Cell and Tissue Research*, 17(2): 6155-6158

Research Projects

Dr. Brototi Roy, project funded by DBT, Govt. of India, Ministry of Science and Technology, Understanding Signaling mechanism of inflammation in fish *Channa punctatus*, for Rs. 18, 87, 488/-

Dr. Ankita Chaudhary, Dr. Rajni Johar Chatwal, Dr. Hema Bhandari, Dr. Lata Vodwal, UGC Startup Project for Rs. 24, 00, 000/- (Rs. 6,00,000 each)

Seminars Organized

Dr. Abhinash Bhora from Ashoka University on "Market Design", Professor Surajit Mazumdar from SSS, Jawaharlal Nehru University delivered talk on "Demonetization" in a seminar organized by Economics Department in October 2017.

Seminar in memory of Dr. Savita Datta (the late Principal and founder member of Physics Department, Maitreyi College,) organized by Physics Department on 29 September, 2017.

First Bilingual National Seminar titled "Technologies of the Self: Representation in Cinema and New Media" was jointly organized by English and Hindi Departments during March, 2018.

Conferences Organized

Three day National level Faculty Development Programme "Time series Analysis" was organized by Department of Commerce in November, 2017.

Seminar/Conference Presentations

Dr Poonam Juneja presented a paper, 'Plastics: Bane to Boon : A Review' in the 12th International Conference on "Entrepreneurship ,Innovation and Good Governance for Global Leadership" hosted by Prestige Institute of Management and Research, Indore at Prestige Institute of Management and Research, Indore held during February 2018.

Dr. Rajni Johar presented a paper,'Fabrication of silica supported organic-inorganic hybrid catalysts and their applications in diverse organic transformations'. in International Conference on "Sustainable initiatives in water management" at Manav Rachna University during March 2018

Dr. Mala Kapur Shankardass presented a paper, 'Elder Abuse: International Responses' at the International Conference on "Challenges in Elder Care" organized by Indian Society of U3A at IIC, New Delhi during March, 2018.

Shikha Badhani Chaired a session on "Advanced Computing" at 2nd International Conference on Advances in Computing and Data Sciences (ICACDS-2018) at Uttarakhand University Dehradun, India held during 20-21 April 2018.

Manju Bhardwaj, presented a paper, 'Accurate Clarification of Biological Data using ensembles' in an International Conference on 'Data Mining' (2015) held in Atlantic City, USA during 2015.

Ms. Shweta presented a paper, 'Organisational Commitment and Citizenship Behaviour- A study of select IT BPO Companies', at the 3rd International Research Conference organized by IARDO held during July 2017.

Dr. Pramod Kumar Singh, presented a paper, 'Veda Evam Rasayan Vigyan (Vedas and Chemistry)' in World Conference on the "Vedas" at Indira Gandhi National Centre for Arts (IGNACA), Janpath, New Delhi, held during Dec., 2017.

Dr. Sushil Kumari presented a paper, ' कर्मतत्त्व एवं ईशोपनिषद्' in the "गुरुकुलप्रभातआश्रम, मेरठ, उ.प.,राष्ट्रीयवैदिकशोधसंगोष्ठी" held during Jan 2018.

Ms N. Shradha Varma presented a paper, 'Understanding the Perspective of Ambedkar on Women Empowerment : Past, Present and Future' in a two day National Seminar organised by Kalindi College, Delhi University during December 2017.

Ms. Shipra Verma, presented a paper, 'Mean difference of Psychological parameter among the inter university football' in International Conference on "Issues & New Ideas in Sports Management" organized by Lakshmi Bai National Institute of Physical Education, Gwalior (M.P).

Students under Exchange Programme

NCC Cadet SUO Hemcy Sharma was selected for the Youth Exchange Program (YEP) 2017 held at Singapore.

Placement Details

In the placement drives conducted on college premises 36 students got selected by companies like Ernst & Young- Global Delivery Network, IPAF, Global Arcus, NIIT, Decathlon, GENPACT, Jamboree and many students got selected for internships in various companies like Indian Exhibition Industry Association, Quirius, Young Leader Initiative, PUMA, Youth Alliance, Snapshots etc.

Extension and Outreach Activities

The NSS volunteers attended a two-day learning Programme conducted by Alzheimer's Related Disorder Society of India (ARDSI) Delhi chapter in November 2017. Our students, Prakriti Sharma and Ankita Grewal along with faculty member, Mr. Ginnunlal Khongsai representing the Delhi University team won the Google Asia-Pacific Business Challenge 2017, a world wide online competition in which approximately 600 Professors and more than 12,000 competitors took part.

Library Development

The college Library acquired 1197 books during 2017-2018. It subscribes to 62 Journals including popular magazines and a collection of 19 Newspapers are available in the library. The total collection of the library has been augmented to 95722 and 670 CDs. The library subscribes to more than six thousand E-Journals, 1,25,000+ titles of e-books by E-library and three crore book titles in world E-books Library through N-LIST. The college library has acquired the membership of DELNET (Developing Library Network) during the present academic session.

Faculty Strength

Total number of faculty = 98

Financial Allocation and Utilization

Grant sanctioned UGC (Maintenance Grant): Rs. 32,35,49,000/-

Govt. of NCT Delhi: Rs. 33,00,000/-

Grant Utilized : 100%

MATA SUNDRI COLLEGE FOR WOMEN

Major Activities and Achievements

The College submitted the AQAR (Annual Quality Assurance Report) to NAAC, Bangalore in June 2017. Two new courses B.Sc (Hons) Computer Science and B.Sc (Hons) Statistics were introduced this session. Activity in-charges of different Societies, Cells and Committees also submitted a schedule of the activities they would be organizing through the year. Career counselling sessions were organized across departments. Alumni meet of individual departments were also held. Departments also organised parent-teacher meetings to facilitate better understanding of the student's progress. Feedback forms were also given to the students. The College celebrated its Golden Jubilee and a variety of programmes were organized to mark the occasion. The college organised sports competition for differently abled students. This Inter College Invitational Volleyball, Judo & Athletics Meet for Visually Impaired Students was organized on 1st & 2nd Feb 2018. Our students won international and national prizes in Sports, and national level prizes at the Inter-University Folk Song Competition and Gatka (Martial Art) Competition.

Students with Distinctions

Garima Kumar from B.El.Ed 1 year secured 1st position.

Ridhi Mehendiratta from B.El.Ed. II year secured 3rd position in the University

Sports distinction

Karina Chauhan (BAP) won Gold medal at the Indo-Bhutan Volleyball Exchange Student Games 2017 held at Phuentsholing, Bhutan from 09 -10 Sept 2017.

Senior Under Officer Ratnapriya Tiwari was selected for the Youth Exchange Programme to Bangladesh in December 2017.

Vanika Kamboj Comp (H) 081 and Astha Tanwar B.Com. (H) won Gold medal in Taekwondo at PAP Stadium, Patiala.

Yukta Goswami Pol (H) won Silver medal in Table Tennis at Indira Gandhi Rajya Khel Parisar, Shimla.

Publications (selected)

Kaur, B. M. (2017) Private Security Services: The Challenges Ahead. *International Research Journal of Management Sociology and Humanity* ISSN 2277-9809. 7(11): 269-276

Dey, M., Dutta, P., Kumari, R., Kaur, S. (2018) A Primer on Legislative Support. New Delhi: Adroit Publishers. ISBN No: 978-81-87393-60-3

Gupta, L. K. (2018) Ret Anusheelan Ke Vividh Aayam. Delhi: Shri Natraj Prakashan. ISBN No. 978-93-86113-34-4.

Kaur, I .V. (2017) Green Marketing and Corporate Social Responsibility as is Aspect. *International Research Journal of Management, Sociology and Humanities*, ISSN 2348 9359.

Savita. (2017) Kabir Ke Kavya Main Bhakti. Muha- A History Alumni- Half Yearly Research Journal, Meerut University. 30(15). ISSN no. 0937557.

Sharma, R. (2017) Act East Policy: Search for New Synergies to Augment India-ASEAN Interactions. India's Act East Policy Through Northeast Opportunities and Challenges. Ed. New Delhi: Mittal Publications. ISBN 81-8324-824-1.

Sharma, N. (2017) British Bharat Main Jaganana - Census in British India. Rashtrawadka Bharat Nama. ed. Abhay Prasad. Delhi: Orient Blackswan. ISBN No. 8125058893.

Sukhija, M. (2017) Clemency Powers of the Indian President : The legacy lives on ... The Discussant- A Journal of Centre for Reforms, Development and Justice. RNI.No. DELENG/2012/48509. ISSN, 2250-3412.

Vats. Poonam. (2017) Factors responsible for political participation among rural women" *International Journal of Social Science Review*- UGC Journal No. 41948.5(4). ISSN-2347-3797.

Virdi, I.K., Boparai, M.K., Kaur, M. (2017) Marketing Communication. Delhi : Pinnacle Publishing House. ISBN 9383848391

Journals

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board = 03

Seminars Organized

National Conference on "Advances in Applied Mathematics and Statistics" (NCAAMS2017) was organized by the Department of Mathematics during September 07-08, 2017.

Seminar on Kabir titled Kabir: Symbol of Syncretic India was organized by History Department on 16 March, 2018.

Seminar/Conference Presentations:

Charu Arya presented a paper 'Kabirkidhanaurshramsambandhivichardhara' in an International Seminar organized by Atma Ram Sanatan Dharm College, University of Delhi held during 30 to 31 January 2018.

Radhika Menon presented a paper "at a national seminar, 'भारतमें शिक्षकों की पेशेवर पहचान: पहचान : नवउदारवादी दौर और उभरते हुए एनएस्वरु' organised by AUD-APU held during 23 to 25 May 2017.

Daljit Kaur presented a paper, 'Kesariya Culture' in a national seminar on "Swatantrata Sangram ki Virasat – Bharatiya Rashtravad" organized by The Freedom Fight Cell, Delhi Secretariat, held during 7 to 9 August 2017

Navendu Shekhar presented a paper, 'Construction of masculinity in Mughal Empire' in a day long National Seminar on "Caste and Gender; Past and Present: Literary Perspectives" held at Atma Ram Sanatan Dharma College, New Delhi during 23 March, 2018.

Monika Mishra presented a research paper, 'Ved Evam Sanyukt Rashtra Ka Manavadhikar, Ghoshna Patra' at the International Conference in IGNCA during 16 December, 2017.

Simmi Kapoor Mehta presented a paper, 'So Said the Saints' in a two –day International Seminar on "Kabir: Different Perspectives" held at Atma Ram Sanatan Dharm College, New Delhi during 30 to 31 January, 2018.

Sunil Kumar presented a paper, 'काव्य और संगीत का अंतर संबंध' in a National seminar at JLN College, Faridabad held during 16 March, 2018.

Nidhi Kunwar presented a paper, 'Process Writing with Middle School Children: Possibilities and Potential' in the National Seminar "Writing in School: Processes, Practices and the Writer" organized by Central Institute of Education, University of Delhi under the aegis of ONGC and IASE, MHRD, Government of India during 21 to 22 February, 2018.

Gurvinder Kaur presented a paper, 'Determinants and inhibitors of Core Brand Dilution post Brand Extension' in a National conference held at Delhi Technical Campus, GGSIP University during March 9, 2018.

Harleen Kaur presented a paper, 'Incubator Supported Start Ups vs. Other Start Ups: Research Propositions' National Seminar on "Contemporary Strategies for Sustainable Development: Marketing and HR", Sponsored by ICSSR, DDU College, University of Delhi 10 November, 2017.

Other Inter-Institutional Collaboration

School Collaboration Project SAHYOG- Stepping Together Ahead with Sri GuruHarkrishanKhalsa Girls Senior Secondary School and KamleshBalikaVidyalaya (both primary and middle schools) .

Placement Details

Number and percentage of students placed : 118

Number of companies visited for campus recruitment: 5

Library Development

1,617 books were added during the year 2017-18. The Library also subscribes to 66 journals and magazines. The Library Department organized 7 Book Exhibitions during this year. A Book Exhibition on Faculty publication was also organized.

Faculty Strength

Total number faculty members = 150

Financial Allocation and Utilization

Grant sanctioned: Rs. 33,72,01000/-

Grant Utilized: Rs.30,66,15169/-

MIRANDA HOUSE

Major activities and achievements

Miranda House was awarded All India Rank One amongst colleges under the National Institutional Ranking Framework (NIRF) 2018 for the second consecutive year. It was also ranked as the top most college in the Science Stream in the India Today Best College Survey 2018. This strengthened its reputation as a college accredited with A+ by NAAC and granted the Star College status by the Department of Biotechnology. College celebrated seven decades of sustained excellence with seven mega events organized during the year. These were an International Science Symposium Unlocking the Secrets of the Universe in collaboration with CERN; first ever Science Conclave for DST UG INSPIRE Scholars; DST INSPIRE mentorship camp for school students; an International Conference emanating from the immensely successful Add-on Course The Rhetoric of Development; a conference on Social & Technological: Access & Accessibility; Faculty Development Programme on Genome Editing Tools.

Honours/ Distinctions

The college received the Dr. Arun Arora 50 Best Educational Institutes of India Award at the World Education Congress, 23 November 2017, Mumbai; and the National Skill Resources Development Award at the National Skill Development Summit 2017, IIC New Delhi, on 3 October 2017.

Dr. Pratibha Jolly (Principal)

- Received the First Buti Foundation Lecture Award 2017 instituted by the National Academy of Sciences India (NASI), Allahabad.
- Awarded the World Economic Forum –Women of the Decade in Academia Award on 13 May 2017; Women Economic Forum 2017.
- Nominated to the Executive Committee of the National Assessment and Accreditation Council; Member, National Task Force and Expert Committee on Star College Scheme, DBT, July 2017; the National Academic Committee for supervision of National Children's Science Congress, Department of Science and Technology, April 2017; Member, Scientific Review Committee for Initiative for Research and Innovation in Science (IRIS) Programme, INTEL DST Initiative.

Dr. Bijayalaxmi Nanda received the University of Delhi Excellence Award for Teachers in Colleges in the Social Science Stream on 1 May 2017, the University Foundation Day.

Dr. Madhu received the International III Prize for paper presentation at 7th World Youth Buddhist Symposium, at Chiang Mai, Thailand in August 2017.

Dr. Klawati Saini received the International Association of Advance Materials Scientist Medal, 2017.

Students with Distinctions

Academics

Vibhuti Gupta, B.A. Programme III Year, secured I position in the University.
Ningombam Athoibi Devi, B.A. (H) History III Year, secured I Position in the University.
Pratiksha Singh, B.A. (H) Geography III Year, secured I Position in the University.
Sumra Alam, B.A. (H) Sociology III Year, secured I Position in the University.
Sehal Jain of B.A. (H) Political Science III Year, secured I Position in the University.
Apoorva Tiwari, B.Sc. Physical Science III Year, secured I Position in the University.
Shipra Ruhel, B.Sc. (H) Botany III Year, secured I Position in the University.
Sarah Mehdi, M.A. Philosophy Final Year, secured I Position in the University.
Devika Agarwal, M.A. Music Final Year, secured I Position in the University.
Aishwarya Padmanahan, M.Sc. Zoology Final Year, secured I Position in the University.

Sports

Taekwondo team continued the winning spree for the 5th consecutive year by becoming the Winners in the Delhi University Inter College Taekwondo Championship with 5 Gold medals, 1 Silver medal and 1 Bronze medal. Netball team were Winners for the 10th consecutive year in the DU Inter College Netball Championship. Tennis team secured second position in the DU Inter College Tennis Championship. The Athletics team won 2 Gold, 3 Silver and 1 Bronze medal in the 93rd DU Inter College Athletics Meet.

NCC cadets won 9 State level; 7 National level; and 1 International level awards. Cadet Simran Kapoor was delegated to the Perm Cadet School, Russia. She also won the International Rally of Young Patriots Medal.

Publications (selected)

Publications: 78 in international and 30 in national journals; Scopus: 60

Books 13; chapters in books 7.

Gorobets, N.Y., Sedash, Y. V., Singh, B. K., Poonam, Rath, B. (2017) An overview of currently available antimalarials. *Current Topics in Medicinal Chemistry* 17: 1-14.

Jolly, P., Physware. (2017) A Collaborative Initiative for Strengthening Physics Education and Promoting Active Learning in the Developing World. *Scientia in education* 8 (Special Issue), 59-78; ISSN 1804-7106.

Kandasamy, G. L., Sudame, A., Luther, T., Saini, K., Maity, D. (2018) Synthesis of hydrophilic and surface-functionalized superparamagnetic iron oxide nanoparticles for magnetic fluid hyperthermia application in liver cancer treatment. *ACS Journal, Applied Materials & Interfaces*, Manuscript ID: am-2018-01673j.

Kannojiya, R. (2017) Portrayal of women's image in Hindi cinema. *Human Rights International Research Journal* 5: 59-62.

Kaur, B. (2017) Farm Business Income and Net Household Income of Farm Households in Punjab- A Comparative Study of Ludhiana and Bathinda Districts. *Conference Issue of Agricultural Economics Research Review* Vol. 30, ISSN 0971-3441.

Kaur, G., Tomar, M., Gupta, V. (2018) Development of a microfluidic electrochemical biosensor: Prospect for point-of-care cholesterol monitoring, *Sensors and Actuator B*, 261 460-466.

Mishra, R., Das, M.K., Singh, S., Sharma, R.S., Sharma, S. & Mishra, V. (2018) Articulation-D induces apoptosis via activation of caspase-8 in acute T-cell leukemia cell line. *Molecular and Cellular Biochemistry* 426(1): 87-99.

Nanda, B.. Sex Selective Abortion and the State: Policies, Laws and Institutions in India, HarAnand Publication, Delhi.

Rana, L., Gupta, R., Tomar, M., Gupta, V. (2017) ZnO/ST-Quartz SAW Resonator: An efficient NO₂ gas sensor", *Sensors and Actuator B*, 252 (2017) 840-845.

Singh, A., Sharma, A., Tomar, M., Gupta, V. (2018) Tunable nano structured columnar growth of SnO₂ for efficient detection of CO gas, *Nanotechnology*, 29 (6) 065502.

Singh, H., Rajeswari, M. & Khurana, J. M. (2018) Synthesis, photophysical studies, and application of novel 2,7-bis(1-butyl-1-Hydrogen-1,2,3-triazole-4-yl)methoxy)naphthalene as a highly selective, reversible fluorescence chemosensor for detection of Fe³⁺ ions. *Journal of Photochemistry and Photobiology A: Chemistry*. 353: 424–432.

Teachers Serving as Editor(s)/Member(s) of Editorial Board: One

Research Projects

Major Projects: 16 ongoing with total grants of about Rs. 17.4 Crore (Rs. 1,737.676 lakh)

Minor Projects: 2 ongoing with total grants of Rs. 18 lakh.

Dr. Jayashree Pillai, Dr. Sonali Chitalkar, project funded by ICSSR (2017-19), "Inter regional aspirations in Jammu and Kashmir" for Rs. 18.7 Lakh.

Dr. Bhupender Kaur, project funded by ICSSR, (2017 -18), "Access of Institutional credit to small and marginal farmers and its impact on their livelihood – A case study of Punjab"; Rs. 8 Lakh.

Dr. Monika Sharma, Dr. Sadhna Sharma, project funded by DST (2018-21), "A study of macrophage apoptosis and mitochondrial integrity in response to PE/PE_PGRS family proteins of Mycobacterium tuberculosis" for Rs. 68 Lakh.

Dr. Monika Tomar, Development of thin film Surface Acoustic Wave device as a platform for the sensing applications [DST/TSG/ME/2013/58-G]; DST (Min. of S&T); Nov. 2014-19; Rs. 474.34 Lakh.

Dr. Monika Tomar project funded by DST (2015-2017), "Validation and improvement of indigenously developed table-top Surface Plasmon system (SPR) system [DST/IDP/SEN-NEW/25(G)]", for Rs. 86.31 Lakh.

Dr. Monika Tomar project funded by DST (2017-20), "Development of Ferroelectric thin film based photovoltaic cells [EMR/2017/000194]; for Rs. 31.54 Lakh.

Dr. Monika Tomar, project funded by DRDO (2017-18), "Feasibility study for fabrication of Air bridges by gold electroplating"; for Rs. 9.42 Lakh.

Dr. Poonam, project funded by DST(2016-19). " Thio-click approach for the synthesis of stable glycomimetics and chiral oxathia crown ethers" for Rs. 36.816 Lakh.

Dr. Kalawati Saini, Ms. Nutan Rani, Dr. Smriti Sharma Bhatia. To Establish a Pollution Monitoring Station Across road over the Nala at Kingsway Camp and determine effects of pollutants and Air quality on the public health and microflora/microfauna; DBT; April 2018-2019 Rs. 8 Lakh.

Dr. Saloni Bahri, Dr. Sadhna Sharma, Dr. Smriti Sharma Bhatia, project funded by DU (DU star Innovation Project, 2015-19), "Therapeutic Potential of Medicinal Plants: Culture, Extraction, Physicochemical Characterization and Testing their Cytotoxic or Immunostimulatory Properties" for Rs. 26.66 Lakh.

Dr. Pratibha Jolly, project funded by DU (DU Star Innovation Project, 2015-19). "Core Development of College Infrastructure and up of a Central Instrumentation Facility" for Rs. 26 Lakh.

Patent Filed/ Granted

Dr. Monika Tomar filed for grant of three National and one International Patents.

National:

1. Electric field assisted low power consuming conductor-metric gas sensor
2. A sensitive, selective and rapid fuel gas sensor
3. Multi-states nonvolatile opto-ferroelectric memory

International

4. Multi-states nonvolatile opto-ferroelectric memory material and process for preparing the same thereof

Seminars and Workshops Organised

More than 75 lecture seminars were organized including about 20 International speakers.

Workshop for School Teachers on *Online Labs for School Experiment*, in collaboration with Amrita University, Kerala; Departments of Chemistry and Physics 11 April 2017.

The Big Bang: Unlocking the Secrets of the Universe in association with CERN, Physics Department; 2 August 2017.

Social Exclusion and Discrimination in India, Equal Opportunity Cell, 18 August 2017.

Social Exclusion and Discrimination in India; Exhibition and round table discussion on Freedom Struggle: Told and Untold Stories; Political Science Department, 18 August 2017.

Biofertilizers, DBT Star College Scheme, 04 September, 2017.

Immunoinformatics for Rational Vaccine Design, DBT Star College Scheme, 18-22 September, 2017.

INSEF Regional Science Fair for schools; Miranda House, 13 October 2017.

Internet of Things (IOT), Robotics Society, Physics Department, 14-15 October 2017.

International Seminar, Big Data in Economics Analysis, Department of Economics, 26 October 2017.

Understanding Sexuality: Challenges for Education, Department of Elementary Education, 6 November 2018.

GIS Based Earthquake and Landslide Zonation, Geography Department, 25 January 2018.

Management and Cultural Contexts, Indo-Dutch Collaboration with Hoger School Utrecht University of Applied Sciences the Netherlands, 27 January to 3 February 2018.

VIGYANshala – Communicate and Inspire Workshop in association with University of Cambridge, UK, Physics Department, 5 February 2018.

Second World War and Contemporary Geopolitics, Geography Department, 8 February 2018.

Zentih: Annual Economics Conclave, Economics Department, 9 to 10 February 2018.

Reconceptualising Planning, Geography Department, 26 February 2018.

National Seminar Ved–Navaneetam, Sanskrit Department, 28 February 2018.

National Symposium cum Faculty Development Programme *Genome Editing Tools*, 15-22 January 2018.

Conferences organized

Indo Hungarian Symposium on Recent Advances in Chemistry and Biology (INHCAB - 2017) in association with University of Debrecen, Hungary on 11 December 2017.

INSPIRE Mentorship Camp for school students sponsored by DST, 18 to 22 December 2017.

Rethinking the Obvious – The Rhetoric of Development, in collaboration with George Washington University, USA, 6 to 7 January 2018.

Science Conclave: Research on the Frontiers, for DST INSPIRE UG Scholars, 8 to 10 January 2018.

Social & Technological: Access & Accessibility, 18 to 19 January 2018.

Seminar /Conferences Presentations

Pratibha Jolly gave an invited talk 'Woman, Scientist, Entrepreneur: Engendering Skills for the Changing Workplace', at the National Conference on "Technological Empowerment of Women, Commemorating the International Women's Day, organized by National Academy of Science India, Allahabad (NASI)", held at Vigyan Bhavan, New Delhi during 8 to 9 March 2018.

Monika Tomar presented a paper, "Surface Plasmon Resonance based Electro-optics modulator 6th International Symposium on Integrated Functionalities, ISIF 2017, New Delhi, during 10 to 13 December 2017.

Mallika Pathak presented a paper, 'Binding mechanism of the antidiabetic drug, metformin with the digestive enzyme, pepsin: an experimental and theoretical study' at the XIV International Conference on "Molecular Spectroscopy, from Molecules to Functional Materials", Kraków-Białka Tatrzańska, Poland held during 03 to 07 September 2017.

Kalawati Saini gave an invited talk 'Green synthesis of ZnO nanoparticles by using *Azadirachta indica* and their photocatalytic, anti-bacterial, anti-fungal and anti-diabetic activity' at the European Advanced Materials Congress-2017, Stockholm, Sweden held during 22 to 24 August 2017.

Monika Arora, presented a paper 'Effect of oblateness on the existence of liberation points in R4BP' at the CELMEC VII, International Conference in Celestial Mechanics, San Martino, Al Cimino, Viterbo, Italy held during 03 to 09 September 2017.

Sharmila Purkayastha presented a paper "Custody, Torture and Women Political Prisoners" at workshop on Carceral Logics and Social Justice, Tata Institute of Social Sciences, Mumbai, 14-15 March 2018.

Radhika Chadha presented a paper 'Early Modern Connectivity: Drawing out Deltaic Bengal through Portuguese Narratives, c. 1500-1640' at the AAS-in-Asia International Conference on Asia in Motion: Geographies and Genealogies, India Habitat Centre, 5-8 July 2018.

Madhu presented a paper, 'Divided we stand: Mobile Culture and Digital Inequality in India' at the Eurosymposium on Societal Challenges in Computational Social Science, in London, 15 to 17 November 2017.

Reena Kannojiya presented paper 'Portrayal of women's image in Hindi Cinema' at the International Conference on Advances in English Studies, Women Empowerment, Business, Humanities and Social Science in Goa, 28-30 December 2017.

Sreemati Chakravarti presented a paper 'Response of 1857 in Bengali Literature' at a seminar organized by International Congress of Bengal Studies, in Dhaka, Bangladesh on 27 January 2018.

National/ International MoUs

International

With Hoge School Utrecht University of Applied Sciences the Netherlands; George Washington University, Washington DC; Lynchburg College, USA; Ontario Universities, Canada; International Research Group on Physics Education (GIREP).

National

With NII (Science Setu Programme); Google Ltd; Use google apps for education; Weekendr (Mobiquel); Nehru Arts and Science College, Coimbatore; ICT Academy; Tata Power Delhi Distribution Ltd. for Student project; Indian Reprographic Rights Organization.

Other Inter-Institutional Collaborations

Miranda House has linkages with a vast network of academic institutions, social organizations; corporate entities and eminent citizens at large. This year college hosted those from Institutions cited above. The highlight was visit by delegations from University of Hong Kong led by President and Vice Chancellor.

Students under Exchange Programmes

Outbound: SP Jain School of Global Management: Initiative at Miranda House (2 students in December 2017); Utrecht Business School on Strategic Management and Culture from June - July 2017 (2 faculty and 12 students)

Inbound: Utrecht Business School (10 students); Ontario University (2 students)

Placement Details

Number of students getting successful placements: ~90 (90%)

Number of companies/industries visited for campus recruitment: 40.

Extension and Outreach activities

Miranda House encourages all students to participate in extension work, community engagement and outreach.

Under Clean Environment programme, more than 100MH Vatavaran volunteers undertook an Anti-litter Drive on 11 and 13 September 2017 to clear the DUSU election posters and pamphlets lying around the campus. The National Institute of Urban Affairs (NIUA), New Delhi, brought officials from Urban Local Bodies (ULB) in different parts of India to Miranda House to see best practices in solid waste management, during twelve Swachh Bharat Mission Exposure. NSS unit of the college has established Teaching Centres for disadvantaged students in Hudson Lane (Hakikat Park) called Jangyanodaya. NSS and Enabling Society volunteers continued to assist visually challenged students in many ways throughout the year. They provided academic assistance by reading to the visually challenged and recording lessons. The college launched major programmes on issue such as physical fitness; substance abuse; mental health; women's health issues; cancer; Alzheimer's disease; road safety; self defense training; women and law; consumer affairs; right to information; electoral reforms; anticorruption movements; and citizenship.

Library Development

The total sanctioned budget was Rs. 16,66,100. In the academic year 2017-18, 943 volumes of books were added. The LIBSYS LSEase Management was upgraded to Web centric OPAC, connected to DU LAN. OPAC is available on Intranet. It provides access to DULS and major databases such as N-LIST and INFLIBNET. Orientation programme was organized for faculty. Information Literacy Workshop was organized for faculty and students in collaboration with Delhi University Library System to upgrade them on use of e-resources available on DULS portal. The Annual Book Exhibitions was held.

Faculty Strength

Permanent: 135, Temporary: 02, Ad hoc: 67

Financial Allocation and Utilization

Grant sanctioned: Rs. 51,56,66,000/-

Utilization: Rs. 47,90,82,317/-

Other Significant Information

Number of faculty who are Ph.D. guides is 14; students registered for Ph.D. under them is 28. This promotes research culture. Students have been selected for internships in the best institutes. As many as 20 science students did summer internship at Vikram Sarabhai Space Centre, ISRO, Chennai Mathematical Institute, NIUS, Tata Institute of Fundamental Research, Physics Research Laboratory, Indian Institute of Science, Inter-University Accelerator Centre, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR). More than 50 students worked as summer interns in the DS Kothari Centre for Research and Innovation in Science Education at Miranda House. 17 students have got admissions in well recognized universities abroad with scholarships.

MOTILAL NEHRU COLLEGE (DAY)

Major Activities and Achievements

An International Conference on Applicable Mathematics was held at Motilal Nehru College, Delhi University. The conference was organized by the department of mathematics on 19th and 20th February. The chief patron of the conference was Dr. Subhasis Halder, Acting Principal. The conference was partly sponsored by IEEE, EDS, Delhi Chapter. The chief guest of this event was Padmashree Awardee Prof. Dinesh Singh. A group of seven plenary speakers from around the world; Asgar Rahimi (Iran), Mati Abel (Estonia), Mart Abel (Estonia), Juan H. Arrendondo (Mexico), Gabriel Kantun Montiel (Mexico), and Reyna Maria Perez Tiscareno (Mexico) became a part of this conference.

Honours/Distinctions

Dr. Anu Pandey received Award for Lecturer from the Directorate of Higher Education, Government of Delhi.

Dr. Radhika Kumar received the ICAS: MP post-doctoral fellowship on the topic Gender, Caste and Political Representation: the case of Dalit women panchayat members in the state of Haryana (2018), at the Institute of Economic Growth, New Delhi.

Publications

Gosai O P, (2017) Herdading Audit Committee: A precursor of Ethical Accounting and Reporting, *Indian Journal of Accounting*. XLIX (2), 69-76, ISSN:- 972-1479.

Gupta, M. (2017) Share Buyback and Announcement Effects: An Industry Wise Analysis" (6), 2, *FIIB Business Review*.

Gusai, O.P. (2018) Cybercrimes and Cyber laws, Cengage Learning India Private Ltd.

Jarwal, D. (2017) "Digital Economy & India", Chartered Secretary, 47(6).

Panwar, K. (2017) Sanskrit Dharmgranthon Mein Dalit Stri Pratirodhi Swar. Proceeding published in MS College, Motihari, and Department of Humanity in collaboration with Asia Pacific Conference on Energy and Environment Technology, ISBN 978-93-84264-25-3.

Khanna, N., Kumar, V., Kaushik, S.K. (2017). Wavelet packets and their moments, *Poincare J. Anal. Appl.*, (2), 95–105.

Kumar, R. (2017) Padayatras and the Changing Nature of Political Communication in India', *Studies in Indian Politics*, 5(1), 32-41, Sage Publications

Panwar, K. (2017) Johadi' (kahaniSangrah) National Book Trust of India, Ministry of Human Resources development, Government of India, New Delhi. ISBN: 978-81-237-8097-9.

Poumai, K.T., Jahan, S.(2017) On K-atomic decompositions in Banach spaces, *Electron. J. Math. Anal. Appl.*, 6(1): 183–197.

Poumai, K.T., Rathore, G.S., Bhati, S. (2017) A note on frames in Banachspaces, *Int. J. Comput. Appl. Math.*, 12(2): 631–638, 2017.

Research Projects

Dr. Devendra Jarwal completed ICSSR funded major research project titled “Impact assessment of dalit entrepreneurship on economic development of Rajasthan in the post liberalized era”.

Seminar/Conference Presentations

Khole T Paumai presented a paper, 'Orthogonal Greedy Algorithm For frames in Hilbert spaces' in the 12th International Conference on "Sampling Theory and Applications (SampTA-2017)", organized by Tallinn University, Tallinn, Estonia, during 3 to 7 July, 2017.

Kaushal Panwar presented a paper, 'Vedanta and the Caste System' in 23rd International Congress of Vedanta, organized by the Center for Indic Studies at the University of Massachusetts Dartmouth, during August 10 to 13, 2017.

Kalpna Malik presented a paper, 'Ardhakathnaka: Migration and Economic World of a North Indian Merchant in Mughal Times' in an International Seminar on "Migration and Settlements: Development of Cross-Cultural India" organized by Mahila P.G. Mahavidyalaya, Jai Narayan Vyas University, Jodhpur, Rajasthan, during 25 to 26 July 2017.

Kalpna Malik presented a paper, 'Economic Impact of the Marathas on the Jaipur State During the Eighteenth Century', in a National Seminar on "Environment, Economy and Society in the Indian Context" organized by Shri Natnagar Shodh Samsthan, Madhya Pradesh during 9 to 11 September, 2017.

Devendra Jarwal presented a paper, 'Cash to Cashless Economy: Challenges & Opportunities' at 70th All India Commerce Conference, at Jaipur (Rajasthan), held during October, 2017.

Nikhil Khanna presented a paper, 'Vanishing moments of wavelet packets and wavelets associated with Riesz projectors' in the 12th International Conference on Sampling Theory and Applications (SampTA-2017), organized by Tallinn University, Tallinn, Estonia during 3 to 7 July, 2017.

Avnish Kumar Sisodiya, presented a paper, 'Learning Electromagnetic Theory through Problem Solving, Numerical Simulations and Lab Experiments' organised by Department of Applied Physics, Gautam Buddha University, Greater Noida (UP), during December 27, 2017 to January 2018.

National/International MoUs Signed

MOU and Collaborations

With NIESBUD (National Institute of Entrepreneurship and Business Development), Ministry of Skill Development and Entrepreneurship, Government of India to implement the Pradhan Mantri YUVA Yojana (PM-YUVA) scheme for the students of the college, 2017-18.

Placement Details

Number of Companies visited for campus recruitment 09 Over 40 companies offered jobs and internships to the students of our college. The Placement Cell successfully moderated opportunities that resulted in the placement of over a 100 student.

Extension and Outreach Activities

The E-Cell (Entrepreneurship Cell) of Motilal Nehru College under the Prime Minister YuvaYojana was inaugurated on 10th November 2017. The guest for the event was Mr. Manu Sakunia and Ms. Monika Sharma from Entrepreneurship Hub, Prime Minister YuvaYojana, NIESBUD, Noida. On 1st Feb 2018 the

E-Cell of Motilal Nehru College organized the Internstreet 2 Fair. The chief guest for the event was Shri Jagmohan Bhogal, Director, Prime Minister YuvaYojana, NIESBUD, Noida. The fair had participation from 38 companies and around 250 students across Delhi University colleges. In the span of last two years, apart from serious academic engagements, the center has created a plausible space for overall development of the students aiming at holistic personality development, awareness about social issues, understanding of the multi-cultural facet of our society and the nation at large. The center has also organized a programme in collaboration with a NGO on "Awareness of Breast Cancer."

Library Report

Library has collection of about 116577 Books and about 104 Journals and Popular Magazines as well as continuous access to a large number of full text and bibliographic e-resources through Delhi University Library System (DULS), National Library and information Services Infrastructure for College (N-List) and Developing Library Network (DELNET). The E-resources Centre of library has 21 computer System for e-resources and internet access. The College library has provision of inter library loan provided by DELNET. It also has a well-equipped empowering unit with all latest software and gadgets facility for visually challenged users.

Faculty Strength:

Total number of faculty = 134

Financial Allocation and Utilization

Grants Sanctioned	Rs.31,08,76,000/-
Utilized	Rs. 28,99,08,000/-

MOTILAL NEHRU COLLEGE (EVENING)

Major activities and achievements

Motilal Nehru College (Evening) established in July 1965, by a distinguished educationist Dr. R.K. Bhan as a Founder Principal, is a constituent college of the University of Delhi, situated on a prominent location at Benito Juarez Road adjacent to the University of Delhi South Campus, New Delhi. Apart from imparting education in various popular courses of study under the CBCS 3 year degree programmes like B.A. (H) English, B.A. (H) Hindi, B. A. (H) History, B.A. (H) Political Science, B.Com (H), B.Com. and B.A. Programme, the college also emphasizes on character-building of the students and includes high moral values to shape them as rational, responsible and self-reliant human beings. NSS unit of the college carried out various activities like celebration of 'International Yoga Day', Blood donation camp, road safety awareness etc.

Honours/Distinctions

Dr. Priya Bhalla has been appointed as a fellow in the Nehru Memorial and Museum library for two years.

Dr. Honest Moinuddin was awarded the PhD degree from Jamia Milia Islamia University, New Delhi.

Pushpa Meena, submitted her PhD in Hindi to the Department of Hindi, University of Delhi.

Student Distinction

In the year 2017-2018 edition of 'University of Delhi Football Championship' the college bagged Silver Medal. The Football team also participated in SPREE, a football championship organized by Birla Institute of Technology and Science, Goa campus.

College kabbadi team stood Third in the Kabbadi championship (2017-2018) organized by the University of Delhi.

Vaibhav Mehlaawat won Bronze medal in Junior National Championship in Judo and Bronze medal in Inter university Judo Championship.

Yash Tokas won Silver medal and Pawan Kumar won Bronze medal in Inter-university Boxing Championship.

Publication

- Kumar, B. (2017) Authored a book titled *Pathkathatatha Samvaadlekhan*, Shri Natrajan publications.
- Kumar, P. (2017) Authored a book *Buddhist learning in South Asia*, Lexington Books, New York, USA.
- Sharan, P. (2017) Pre-service and In-service Training of Teachers of English in India: A Challenge. *Literary Forum*, 43
- Singh, V. (2017) 'Rangbhumi: Purnpathki Awashyktha', *Sodh-Drishthi*.
- Suman (2018) *Sodh-Pravriti*, Natraj Publication.
- Suman. (2017) Mahadevi Verma Key Kavyamei Bimbhaur Prateek, *Vidyawarta International Research Journal*.

Seminars organized

- Department of English organized a lecture on "The Revolt of 1857 and the anti-colonial struggle in India" by Prof. Amar Farooqi, Department of History, University of Delhi was organized on 27th March 2018.
- Department of English organized a lecture, "A Presentation on Drama as Mimetic Art" by Prof. Shyama Prasad Ganguly, JNU.
- A lecture, "Advertising and Media Communication Skills" by Dr. Manaswini M. Yogi (Director, Delhi School of Journalism)
- Two-day UGC-sponsored national seminar on "Tribal Folk Dances of India: Contextualizing Art and Culture" was organized by the Department of English from 24-25 August 2017.
- The Department of Hindi in collaboration with 'Lekhawat Sanstha' organized a poetry conference on 2 February 2018 in which renowned Hindi poets, Dr. Anamika, Dr. Narendra Pundrik, Mr. Diwik Ramesh, Mr. Mithilesh Shrivastava and Mr. Manglesh Dabral recited their poems.

Placement Details

Through the placement drive organized by the committee at least 20 students got internships in various companies.

Extension and Outreach Activities

The Gender Champion society of the college organized an inter-college poster making competition on the *me too* movement on 3-4 April 2018. The North-East society of the college organized a workshop on "Ethnic Relations: Opportunities & Challenges in the discourse of North East" on 11th April 2017 chaired by Dr. Alana Gonmei. Department of Economics organized a college debate on the topic "Demonetization: It's impact on Indian Economy" held on 22nd September 2018.

Seminar/ Conference Presentations

- Pradip Sharan presented a paper, "The use of Technology in the Teaching of Speaking Skills in India" at an international conference organized by English Language Teachers Association (ELTA) at St. Teresa College, Cochin, Kerala held from 29 June to 1 July, 2017.
- Suman presented a research paper, 'Fake News aur Uska Samajik Prabhav' at ICAN in international conference held on 10 March 2018 .
- Azharuddin presented a paper, "Problems of Constructing Muslim Identity: Analyzing Racial and Moral discourse in two Post-9/11 Novels" at an international conference organized by Center for Advanced Studies, Jadavpur University, Kolkata.
- Vidyashankar Singh presented a research paper, 'Jaishankar Prasad KeNatak:ItihasaaurVartamaan' at a national conference jointly organized by 'Mahakavi Jaishankar Prasad Foundation' and Hansraj College, University of Delhi.
- G.N. Trivedi, invited as a guest to speak on the issue of "Democratic Transition in India" organized by Developing Countries Research Centre (DCRC), University of Delhi held on 12 March 2018.
- Priyanka Panwar presented a research paper , "Locating 'The Room on the Roof' in Ruskin Bond's literary landscape" at a conference organized by the Central University, Himachal Pradesh.
- Anjali Aggarwal presented a research paper, "Adoption of Ethanol as Biofuel in India: Economic and Environmental concerns" in the national conference organized by Zakir Husain Delhi College (Evening), University of Delhi.

Faculty Strength

Total number of Permanent faculty = 36

Total number of Ad-Hoc faculty = 42

NEHRU HOMEOPATHIC MEDICAL COLLEGE & HOSPITAL**Major Activities and Achievements**

New built guard room of college premises, new constructed marbles floor at entry gate of this institution. The renovation of two rooms for Head of Office and Medical Superintendent is completed.

Research Projects

Lifestyle Disorders –Monday

Skin and Psoriasis –Tuesday

Respiratory Disease/Asthma –Tuesday

Psychiatric Disorders –Wednesday

Fibroid/PCOD/Fibroadenoma Breast –Wednesday

Vitiligo –Thursday

Renal Stones/Gallstones –Friday

Children Disease – Friday

Disease for Old Age –Saturday

Rheumatoid Arthritis – Saturday

Osteoarthritis – Saturday

Seminars Organized

Kent Memorial Lectures on 16 and 17 September, 2017.

Library Development

Internet and photocopy facilities available

Faculty Strength

Total number of Permanent faculty = 25

Total number of Guest Faculty = 6

P G D A V COLLEGE**Pannalal Girdharilal Dayanand Anglo Vedic College****Major activities and achievement**

PGDAV College is guided by the DAV ethos combined with rigorous pedagogy preparing the students to be ethical leaders in a diverse and complex world. The college provides multicultural and vibrant space for the intellectual, aesthetic, cultural, humanistic, and athletic growth of the students. The College focuses on nurturing young minds with the ideals of composite Indian culture with the thrust on education as umbilical link between tradition and modernity. The college has been training and empowering the youth of India, equipping them with creative and critical thinking so that they develop their faculties of discovering, exploring, learning, and growing. For achieving all of this the college has well developed academic blocks, up-to-date and sophisticated labs international standard sports facilities, auditorium, conference rooms, smart class rooms, clubs, so on and so forth. With such state of the art soft and hard infrastructure the college ensures that all the stakeholders enjoy intellectually engaging and fulfilling experience in an all rounded manner.

Honours /Distinctions

Geeta Gupta and Ms. Aparna Datt were awarded Ph.D. degree (University of Delhi).

Students with Distinctions

Kalpna, B.Sc (H) Statistics secured first position in the college with 92.37% marks.

ShreneeShrivastava, B.Tech Computer Science secured first position in the college with 90.30 marks.

Anmol Titoria, B.Com(H) secured first position in the college with 88.11% marks.

Publications

Kaur, D., Goldar, A. (2017) Relationship between Inwards FDI & Exports: Indian Telecommunication Sector. In O.S. Deol (Eds), *Global Trade in services: A WTO perspective*, New Delhi, ND: Atlantic (233-247).

Kaur, D., Saini, M. (2017) Relationship between Inward FDI & research & development: A case of Indian Economy, *Journal of Business Studies*, Bhagat Singh College, 9, 57-66.

Mahajan, A., Chand, P. (2017) Understanding the Governance of NITI Aayog (With reference to its recommendation for GM-Technology): *Pacific Business Review International*, 10 (3), 155-160.

Mahajan, A., Chand, P. (2017) Anomaly of Foreign Exchange Rate, *Economic and Political Weekly*, 52,(29), 21-24.

Mondal, S., Pant, M. (2018)“Firm Capabilities and Productivity Spillovers from FDI: Evidence from Indian Manufacturing Firms” in Siddharthan, N, Narayanan, K (ed.) *Globalisation of Technology*.Springer, Singapore.

Saini, M., Kaur, D. (2018) Relationship between foreign portfolio investment & sensx: A case of Indian economy. *NAIMS journal of Management*, 13 (1), 15-22.

Varun, Archana, Jha, M.K. (2017) Some New Three-Level Second Order Response Surface Designs, *Model Assisted Statistics and Applications*, 12, 55-61.

Varun, Bhushan, Sonam (2018) The Need of Fintech In The Indian Microfinance Sector, *International Journal of Research in Economics and Social Sciences*, 8 (3), 215-222.

Varun, Bhushan, Sonam (2018) Role of Education and Employment in India’s Demographic Dividend, *International Journal of Research in Economics and Social Sciences*, 8 (3), 207-214.

Vashisth, P. Khurana, P., Bedi, P. (2017) A fuzzy hybrid recommender system, *Journal of Intelligent & Fuzzy Systems* 32, 3945–3960.

Journals

Published by the College -Journal of Contemporary Indian Polity and Economy (JOCIPE)

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board 01

Research Projects

Dr. Ashwani Mahajan, Dr. Phool Chand (2017),project funded by ICSSR, “India China Trade Deficit: Causes, Effects and Solutions” for Rs 650000.

Dr. Gopal Datt, project funded by UGC (2016), “Operators on Function Spaces” for Rs 260000.

Dr. Girdhar Gopal, project funded by UGC (2018), “Brahampuram Mein Sansidh Rishi, Teerath Evam Parvon Ka Shastriya That VyavaharikAdhyayan” for Rs 204000.

Seminar Organised

Seminar, 'Business Analytics',delievered by Prof. Nitin Sachdeva, IMT Ghaziabad on September 18, 2017.

Seminar, 'What after graduation',delievered byProf. Shagun Arora of NDIM, Delhi on Jan 8, 2018.

Seminar,byDr. Meenakshi Jain (Member of ICHR), March 21, 2018.

National Seminar on 'The Need for Physical Education in Improving the Performance of Indian Sports persons in Olympics & other National / International Tournaments' was organized by Department of Physical Education on 07-08 November 2017

Seminar,'How to prepare for IAS'delievered by Mr. Alok Kumar who is an IAS Trainer from Delhi on 11 December, 2017.

Seminar/ Conference Presentations

Dippinder Kaur presented a paper, 'Indian economic transformation through revival of manufacturing sector & start-up ecosystem', in International conference, New Delhi, 2017, Ramanujan College

Sakshi Verma presented a paper.'Gender Inequality in Sport: A student's Perspective' in the national seminar held by department of Physical Education, PGDAV College on 7 to8 November 2017.

Monika Saini presented a paper,'Relationship between Foreign Portfolio Investment and Sensex: A case of Indian Economy', at International Conference on "Indian Economic transformation through revival of manufacturing sector and start-up ecosystem", Ramanujan College, New Delhi during 2017.

Placement Details

120 students have been placed in high standing corporate institutions such as: EY- GDS, Willis Towers Watson, Wipro, FIS Global, InShorts, PwC, Alight Solutions, Tommy Hilfiger, British Telecom, Royal Bank of Scotland amongst others with job profiles like actuarial analyst, assurance associate, content proof reader etc. EY-GDS recruited 24 students. 45 students were placed with RBS and 10 students were placed with FIS Global. One of the leading companies in the technology world, Wipro hired 25 students in the month of February.

Library Development

The College Library is well stocked with collection of around 1 lakh books, 4500 bound journals and 70 periodicals covering various subjects and disciplines. Apart from the print resources library facilitates access to various electronic resources through Delhi University Library System on the campus network and N-List e-resources. The Library is automated and has a well-furnished and air conditioned reading hall for its readers.

Faculty Strength

Total number of permanent faculty =108

Total number of Ad-Hoc faculty = 53

Financial allocations and utilization

Grants Sanctioned Rs.51,32,99,362/-

Utilized Rs.31,80,68,694/-

Other significant information

PGDAV College now is a name to reckon with across arts, humanities, commerce, social sciences, and computer science streams. It has the coveted NAAC grading. The society, including the recruiters, have acknowledged the quality of education, facilities, social responsibility, inclusiveness, and high rating for employability here Internal Quality Assurance Cell (IQAC) is a statutorily constituted body of PGDAV College. Since its inception it is actively pursuing quality development, improvement, and sustenance goals in academic, administrative, and financial realms so as to deliver excellence in all its endeavors. In this background, IQAC has been internalized as an integral part of the institution's systems and processes. The prime task of the IQAC is to develop a robust and sustainable system for conscious, consistent, and catalytic build up of the all round performance of the College.

P.G.D.A.V. COLLEGE (EVENING)

Major activities and achievements

PGDAV College (Eve.) was established in the year 1957-58 to cater to the needs of working professionals. The college communicates its vision to the stakeholders – students, teachers and staff – through various committees, programmes and activities. There are a number of committees to promote environmental awareness, gender sensitivity and literary, artistic and creative self- expression among students. The strength of the institution is its qualified and committed faculty, industrious administrative staff, state of the art infrastructure, well equipped college library with INFLIBNET facility, high speed Wi-Fi internet access

24/7, availability of computers in a student ratio of 1:2, Centralized Computing Facility, facilities for scanning, printing and copying, Lift for the differently abled students and staff, good academic ambience and the enthusiastic students. NSS Unit of the college carried out many activities like campus clean drive, road safety program, Tree plantation drive, Celebration of NSS day etc. to name a few.

Students with distinctions

Sunita Sahoo, B.com, secured highest marks in the college

Sujeet Kumar, B.Sc. (Hons.) Math secured highest marks in the college

Publication

Sethi, P.K. (2017) Yoga and Healthy Aging

Journal Published by the college: One

Inter discipline Academic Journal “Bodhayan”

Number of college teachers serving as Editor(s)/ 10

Placement details

Number of students getting successful placements: 160

Number of Companies/Industries coming for campus recruitment 05

Extension and Outreach work

Number of camps organized in the surrounding areas: one Tracking Camp in Ram Nagar

Number of people enrolled/covered in the camps 25

Number of students who worked in the camps 25

Total number of hours dedicated to these camps 4 days

Two days Cleanliness Drive was organized by the NSS unit on 5-6 August, 2017. On 10th August NSS unit conducted new India pledge program. 5 days program on road safety was conducted in HERO Moto Corp, Azadpur, Delhi. A one day donation box center was put up for collecting unused clothes, stationary and E-waste such as broken charges CD's etc. we made a huge collection of all three things. The collected clothes and stationary were distributed in slum areas.

Library Development

Total Budget: Rs. 6,07,000/-

No. of Books added: 861

Number of National journals subscribed: 63 (online + paperback version)

Number of faculty

Total number of Permanent faculty = 40

Total number of Ad-Hoc faculty = 37

Financial Allocation and Utilization

Grant Sanction: Rs 27,67,36,000/-

Grant Utilized: Rs 17,73,29,614/-

PANDIT DEENDAYAL UPADHYAYA NATIONAL INSTITUTE FOR PERSONS WITH PHYSICAL DISABILITIES (DIVYANGJAN)

Major Activities and Achievement

This Institute runs Bachelor of Physiotherapy (BPT), Bachelor of Occupational Therapy (BOT) and Bachelor of Prosthetics & Orthotics (BPO) courses under the financial control of Ministry of Social Justice and Empowerment, Government of India. The Institute had started Masters programme in Prosthetics & Orthotics from the current academic session 2017-18. Further we are in process of starting post graduate

courses in Physiotherapy and Occupational Therapy as well. PDUNIPPD (D) actively participated and assisted Ministry of Social Justice and Empowerment for successful conduction of National Award Ceremony to the differently able on 3rd December, 2017.

Honours/ Distinctions

Mrs. Rajni Kalra, was invited as Chairperson in Symposium on life style disorder organised by Department of Physiotherapy, Dr. R.M.L. Hospital on September 15, 2017.

Sh.K.Ramprabhu, Asst. Prof. Department of Physiotherapy was invited as a conclave speaker on 18th February 2018 in the conference 'Sports Connect-Changing trends in Sports Physiotherapy'

Students with Distinctions

Meghna Sharma II yr., Bachelor of Physiotherapy

Shivani Bhardwaj I yr, Bachelor of Physiotherapy

Rasho Gupta, Bachelor of Prosthetics & Orthotics

Sneha Uniyal , Bachelor of Prosthetics & Orthotics

Publications

Arya, K.N., Shanta Pandian & Dharmendra Kumar (2017) Task-based Mirror Therapy Enhances Ipsilesional Motor Functions In Stroke: A Pilot Study. *Journal of Body work & Movement therapy*, 21(2):334-341.

Arya, K.N., Pandian S, Puri, V. (2017) Rehabilitation Methods for Reducing Shoulder Subluxation in Post-Stroke hemiparesis: A Systematic Review; V. 11:1-14. doi: 10.1080/10749357.2017.1383712 Topics in Stroke Rehabilitation:

Arya, K.N., Pandian S, Kumar (2017) Effect of activity-based mirror therapy on lower limb motor-recovery and gait in stroke: A randomised controlled trial. V. Neuropsychological Rehabilitation. 26:1-18. doi: 10.1080/09602011.2017.1377087.

Batra, M. (2017) "Functional Dynamic Eyelid Crutches for Modulating Visual Field Deficit in Third Nerve Palsy". *Indian J Occup Ther*, 49(3), 97-101.

Godiyal, A. K., Pandit, S., Vimal, A. K., Singh, U., Anand, S., Joshi, D. (2017) Locomotion mode classification using force myography. In Life Sciences Conference (LSC), IEEE (pp. 121-124).

Pandit, S., Godiyal, A. K., Vimal, A. K., Singh, U., Joshi, D., & Kalyanasundaram, D. (2018) An Affordable Insole-Sensor-Based Trans-Femoral Prosthesis for Normal Gait. *Sensors*, 18(3), 706.

Smita N, Prasanna L (2018) Passive Biomimetic Prosthesis. Chapter 5, PP: 69-82, ISBN: 978-953-51-3820-4. Retrieved from: <http://dx.doi.org/10.5772/intechopen.72123>

Research Projects

Dr. Kamal Narayan Arya, project funded by Indian council of Medical Research (2015-17), Role of long term task-based mirror therapy in inducing motor recovery in post stroke hemiparesis for Rs. 8.5 Lakhs.

Dr Meenakshi Batra, (2017), "Effect of different treatment modalities on lower extremity angular problems in children with rickets"

Seminar Organized

Application of Research methods & Biostatistics (Level I) conducted by Department of Occupational Therapy on October 07, 2017.

Seminar/Conference Presentations

Kamal Narayan Arya, Shanta Pandian presented a paper, "Ultrasonography-Based Management of the Shoulder Subluxation in Stroke: A Case Series in 55th Annual National Conference of All India Occupational Therapist Association, Nagpur, 16- 18 February 2018.

Meenakshi Batra presented a paper, 'Regulating developmental parameters in children with Rickets having Lower Extremity Angular Problems' at Annual National Occupational Therapy Conference, Nagpur OTICON 2018 during 16 to 18 Feb. 2018.

Nayak S, Rawat R. presented a paper," Survey on Awareness of Government Acts, Policies and infrastructure available for persons with physical disabilities (Divyangjan)" in 24th National conference, OPAI held during Jan. 2018..

Behera T, Verma T. presented a paper. "A literature review on biomechanical analysis of trans tibial prosthesis.24th National conference, OPAI held in Jan. 2018.

Pandian G. presented a paper," An orthoprosthetics management : A comprehensive case study". 24th National conference, OPAI held during Jan. 2018.

Meenakshi Batra, presented a paper, ' Augmenting Levator Function using Eyelid Crutches in Third Nerve Palsy at ISCA 2018 Indian Science Congress held at Manipur, Imphal during 17 to 20 March 2018,)

National /International MoUs Signed

With Indian/Foreign Companies/Industry

With ISRO towards designed and development of artificial knee joint and foot for Person with Physical Disabilities in collaboration with ISRO.

Other Institutional Collaboration

The Institute has renewed the collaboration with NSIT Dawrka, and MAMC Delhi for regular Engineering and Medical classes of its students.

Placement Details

Number of companies visited for campus recruitment 04

Number and percentage of students placed 92%

Extension and Outreach Activities

The Professionals and faculties were deputed to conduct rehabilitation camps for persons with disabilities (Locomotor) though its outreach activities and total 02 Nos of rehabilitation camp were conducted to distribute Prosthetic and Orthotics appliance to the Persons with Physical Disabilities across the country.

Library Development

Purchased 234 Professional Books and 14 Professional/Foreign Journals in the year 2017-18.The Library is providing Reference Services, Internet, Printout & Photocopy facility to its users as per Library rules

Faculty Strength

Total number of Permanent faculty = 35

Total number of Temporary / Guest Faculty=52

Financial Allocation and Utilization

Grant sanctioned: Rs.2610.00 Lakh

Grant Utilized : Rs.2597.96 Lakh

RAJDHANI COLLEGE

Major activities and achievements

The year 2017-18 was a fruitful year for the College in terms of progress and achievements. A Disaster Management Mock Drill was carried out in the College on October 31, 2017.The Tree Census Report after counting and identifying all the trees planted in the College premises was published by the concerned committee.Lectures, Workshops, talks and FDPs were organized. Chaitanya, the Debating Society organized its first National Debate Competition, Vichar Manthan with Mr Rahul Dev, Editor in Chief, CNEB. Triyambakam, the Theatre Group wonI prize for its play Jai Hind in Madari 18, a National level inter-College street play competition. A mock drill was conducted in the College by DDMA(West Zone) and Fire Fighting Department. An interactive session between Help the Blind Foundation(HTBF) and

visually impaired students was organized at the College. Twenty Seven VH students were selected for scholarship to meet their hostel, mess and living expenses.

Honours/ Distinctions

Dr. Rajiv Ranjan Giri invited as a resource person to present lectures on 'Developing a Manuscript, Making Editorial Decisions and Proposals', 'Author-Editor Relationship', 'Managing Creative People' and 'Workshop on Editing and Copy-editing, Handling Different Genres' at Dr. Bhim Rao Ambedkar University, Agra organized in collaboration with National Book Trust, 21 February, 2018.

Dr. S. K. Dhaka from invited for a Talk on 'Role of Convective Sources in Shaping the Troposphere and Stratosphere' at the 15th International Workshop of Technical and Scientific Aspects of MST Radar, National Institute of Polar Research (NIPR), Tachikawa, Tokyo, Japan held from May 26 to 31, 2017.

Dr. Suman Kumar appointed as Visitor's Nominee to Banaras Hindu University Court, Varanasi, 2017-20. He is also a member of the National Monitoring Committee for Minority Education, Ministry of Human Resource Development, Government of India 2017-18.

Dr. Asheesh Kumar won second prize in All India Sanskrit short play writing competition organized by Delhi Sanskrit Academy, 18 April, 2017. He was also awarded Sanskrit Samarthak Samman by Delhi Sanskrit Academy, Delhi, 2018.

Dr. Ravindra K. Das was awarded Shreshth Anuvadak Samman by Pratilipi.Com, Delhi, 2018. He was also awarded Sanskrit Samarthak Samman by Delhi Sanskrit Academy, Delhi, 2018.

Students with Distinctions

Pratibha, B.Sc. (H) Chemistry II year- Dr. N. K. Anand Memorial Prize

Saurabh Kumar Singh, B.Sc.(H) Physics III year- Dr. S. S. Rao Memorial Prize

Divya Gautam, B.A. (H) Hindi III year- Ma Murti Devi Smriti Puraskar

Poonam Sharma, B.A. (H) Hindi I year- Shri Shiv Nandan Sharma Memorial Prize

Vineet Goyal, B.Com.(H) I year and Sandeep Kr. Girdhar, B.Com (H) II year- Shri Sultan Chand & Co. Memorial Scholarship

Sports

Sachin Kumar, B.A (Prog.) III year won two Gold Medals in 10000m run and bagged two Silver Medals in Cross Country Race 12km, 21km Marathon Race and one Gold Medal in 10000m.

Pradeep Yadav, B.A. (Prog.) III year secured two Silver Medals in Long Jump and Triple Jump event and also grabbed two Silver Medals in Delhi State Senior Athletics Championship in Triple and Long Jump Event.

Trayambakam, the Dramatics Society won the First Position for its play Jai Hind that highlighted the bravery and valour of Indian Army in Madari 18 a National Level Inter-College Street Play Competition organized by Rashtriya Kala Manch at Arts Faculty, University of Delhi.

Rinki Sharma, B.A. (Hons) History III year and Ruby Kumari, BA (Prog) II year were selected for Marga Schulze Merit Scholarship (Germany).

Publications (selected)

Das, K.R. (2018) Satta-mimamsa evam Gyan-mimamsa. Delhi, Delhi: Granth Bharti Prakashan.

Choudhary, P. (2017) Maharajganj Janpad Kay Puratatva Ka Ek Adhyayan. *International Journal of Applied Research*, 3(7).

Dhaka, S.K. (2017) Impact of Inter-seasonal Solar Variability on the Association of Lower Troposphere and Cold Point Tropopause in the Tropics: Observations using RO Data from COSMIC. *Atmospheric Research*, 198.

Garg, P. K., Kumar A. (2017) Duality Results for a Second-order Multi-objective Fractional Programming Problem with Generalized Convexity. *International Journal of Mathematics in Operational Research*, 11(4).

Giri, R. R. (2017) Nau Jagran Kaleen Gadya Sahitya: Ek Punarvichar. *Anusheelan*, 36.

Payal, R. (2017) Waste to Wealth Approach: Removing Toxic Heavy Metals and Organic Dyes from Waste Water using Agricultural Waste. *International Journal of Chemical, Environmental and Biological Sciences*, 5(1), 46-49.

Sethi, R. (2017) Mapping Gendered Geographies: Reading Women in Literature. *Studies in Humanities and Social Sciences*, Vol. XXII (1).

Shahare, V.V. (2018) Environmental Impacts of Synthetic Pesticides and Deployment of Bio-pesticides towards Sustainable Development. *Sustainability: For a Better Tomorrow*, Vol.II.

Sharma, R. D., Gupta A. (2017) A Study of Function Space Topologies for Multifunctions. *Applied General Topology*, 18(2).

Verma, M. (2017) *Abhinav Hindi Ekanki*. Delhi, Delhi: Tarun Publication.

Research Projects

Dr Pawan Kumar, project funded by Science & Engineering Research Board, (2016-19), Development of Phosphinous acid Functionalized PNP Pincer Ligands: Study of Non-Innocent behavior with Group Eight Metal Complexes and Catalytic Applications, for Rs.3374000/-

Dr Sunil Bab, project funded by ICSSR, (2018), A Comparative Study of Poverty amongst Scheduled Caste in Haryana since 1990s, for Rs.400000/-

Seminars /Workshops Organized

Two-day National Seminar on Mass Movement and Indian Literature: With Special Reference to Hindi and Sindhi in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Government of India on 8 to 9 February 2018.

Two day National Seminar on The Changing Cultural Narratives of Delhi through the Ages was organized by History Department in collaboration with Indian Council of Historical Research (ICHR) organized on 19 to 20 March 2018.

One-day National Seminar on 'Mapping Spaces, Crossing Borders: (De)constructing World Literatures' on 21 March, 2018.

A Two Day Workshop on Media was organized on 16-17 January 2018. Mr. Sanjay Nandan, ABP News spoke about 'Reporting and Writing in Media', and demonstrated it through practical exercises.

Seminar/ Conference Presentations

Shikha Kaushik presented a paper, 'Sequence Specific Structural Polymorphism Exhibited by a DNA Sequence Containing Human c-jun Protooncogene Target' in International Conference on "Advances in Analytical Sciences (ICAAS)" at CSIR-IIP Dehradun organized by Indian Society of Analytical Scientists (ISAS-DC) and CSIR-IIP, Dehradun, held during 15-17 March 2018.

Ritu Payal presented a paper, 'Estimation of Sun Protection Factor (SPF) by Using Uv-Visible Spectrophotometer for Cosmetic Formulations' at the National Seminar held at Kalindi College, 2017.

V.M.Shukla presented a paper, 'Ek Agnikaand Jagahen Badalta (A Fire Tragedy Shifting Places):' Reading Partition in Narendra Mohan's Long Poem' in the National Seminar on Decoding the Partition Languages: Reflections on Language, Literature, and Culture organized by Kirori Mal College in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Govt. of India at Kirori Mal College, University of Delhi, during 6 to 7 February 2018.

Satyanand Kumar, presented a Poster in an International Conference on Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018) organized by Department of Chemistry, University of Delhi held during 12 to 14 January 2018.

Sachida Nand Jha presented a paper, 'Revisiting Globalization: Rethinking Indian Postcolonial' at Postcolonial Studies Conference, University of London, held during 18 to 20 September 2017.

Suman Kumar presented a paper, 'Political Ideology of Integral Humanism' in the ICSSR sponsored National Conference on Integral Humanism: A Vision and Mission organized by the Department of Political Science, Maharaja Agrasen College, University of Delhi during 5 to 6 January, 2018.

Sasmita Mohanty presented a paper, 'Traditional Practices and Democratic Aspirations: Khap Panchayats, Women and Human Rights in India' in the National Seminar on "Human Rights in 21st Century India:

Emerging Issues & Challenges", organized by Motilal Nehru College (Evening), University of Delhi, sponsored by the Indian Council of Social Science Research (ICSSR) held during 29 to 30 March, 2017.

Asheesh Kumar presented a paper, 'Linguistic Affiliation: Exploring Nomenclature of Relationships in Russian and Sanskrit' in the National Conference organized by Department of Sanskrit and Research Committee, Satyawati College, University of Delhi held during 19 to 20 April 2017.

Placement details

Number of Students: 16

Number of Companies visited for campus recruitment: 7

Extension and Outreach work

Chaitanya, the Debating Society organized several Open Sessions in addition to National Debate Competition. The Women Development Cell (WDC) organized several events like Self-Defence Programme, Yoga Training Camp and WDC Fest that helped create gender sensitization. The NCC cadets apart from routine were also involved in various extension activities and community service programmes like 'Swacha Bharat Abhiyan' and 'Yuva Bharat Naya Bharat' programme. NSS volunteers participated in various activities like campus cleaning, Rally for Rivers, and spent Valentine's Day with slum children, spreading cheer among them. NCC (boys) cadets participated in Republic Day Camp-2018, Trekking Camp held in Amarkantak, Puri (Odisha), Calicut etc. NSS (Girls) unit was active throughout the year with programmes like College Campus Cleaning, Slum Area Development, Social Work, Personality Development Programme, Swachhta Pakhwada, Tree Plantation and Disaster Management Workshop in addition to participation in trekking camps to various places.

Library Development

College library has more than 1.25 lakh scholarly books on various subjects and has subscription of 33 newspapers and around 55 magazines and journals. It is also a member of N-List program of UGC INFONET, through which the users of the library can access 6000+ e-journals and 31,35,000+ e-books with remote login facility. An exclusive reading corner has been introduced for differently abled students and teaching staff, where internet enabled high speed computers with scanner and printer have been installed.

Faculty Strength

Total number of Permanent faculty = 92

Total number of Ad hoc faculty = 72

Financial Allocation and Utilizations

Grant sanctioned: Rs54,04,85,000/-

Grant Utilized: Rs31,61,10,698/-

Other significant information

Personal Contact Program (PCP) for the Girl students of B.Com (Pass) and B.A. (Prog.) 1st and 2nd Year for School of Open Learning (SOL) were conducted from 02.12.2017 to 29.04.2018 through SOL centre of the college. English Speaking Classes were organized in the College for the students of Non Collegiate Women Educational Board. The College is initiating National and International collaboration with Universities and there is a hope to have strong bonding with these institutions which will be very useful for faculty as well as students.

RAJKUMARI AMRIT KAUR COLLEGE OF NURSING

Major activities and achievements

Raj kumari Amrit Kaur College of Nursing was established 71 years ago with the objective to develop modal programs in nursing activities. The College offer four regular programs e B.Sc (Hons) Nursing, Master of nursing, M Phil and PhD in Nursing. Beside this , college conducts short term continuing education courses. The institution work in close Association with Ministry of Health and Family welfare and various hospitals, health centres and allied agencies. College has a Rural Teaching center, established in

1950 for the purpose of providing objective oriented rural community health experience . The emphasis is on MCH services including family planning, immunization, family welfare services students participate in national health programs like , Malaria control, Dengue Control , AIDS Control revised national tuberculosis control, pulse polio program etc. College has an active unit of student nurse association where students participate of various state and national level competitions. Regular sports classes are also held for students by external sports faculty.

Publications

Goyal, H. (2018) Assessment of perceived self-efficacy of Nurses to function as a Nurse Practitioner. *International Journal of current Research and Academic Review*. 6.

Goyal, H. (2018) Experimental study to evaluate the effectiveness of chewing gum on gastro intestinal motility in terms of return of bowel sounds passage of flatus, tolerance of oral feeds and passage of stool after abdominal surgery among adult patient in selected hospital of Delhi. *International Journal of Scientific Research*.6, (5).

Research Projects

A study to Develop and Evaluate the effectiveness of structured Teaching Programme on strategies of communication competence while Delivering health care services among Nursing officers in terms of Knowledge, Attitude and Practice in Deen Dayal Upadhyay Hospital New Delhi.

A study to assess the effectiveness of an educational package on self-monitoring of blood glucose levels and self-administration of insulin in terms of knowledge and practice in children with Diabetes mellitus in selected hospital of Uttarakhand.

A study to determine the prevalence and factors associated with refractive errors, and to evaluate the effectiveness of educational package on management of refractive errors in level of knowledge and practice among school children (12-15 years) of selected private school of urban area of Delhi.

A study to develop and assess effectiveness of self-instructional module on rehabilitation after spinal cord injury in terms of knowledge and expressed practice amongst patients and care givers of patients admitted in selected hospital of New Delhi.

A study to evaluate the effectiveness of selected Nursing interventions in terms of physiological parameters and selected post operative outcomes among patients undergoing abdominal surgery in selected hospital of Delhi.

Conference organized

Emerging Innovation in Nursing and its impact on quality patient care, 19-23 Feb, 2018.

Beyond bedside – the changing role of today's nurse, 19 – 23 March, 2018.

Presentation

Sarita Shokhanda , Robotic Nursing, 22.Feb., 2018

Madhumita Dey,Digitalization in Nursing, Feb 23, 2018

Madhumita Dey,Role of infection control Nurse, 22 March, 2018

Mitali Biswas, Burn out Syndrome, 8 Oct., 2017

Extension and Outreach Activities

The Rural Teaching Centre was established in 1950 for the purpose of providing objective oriented rural community health experience to the students. It covers population of Approx, 23,000 and is situated 35 kms away from the college. The centre provides an integrated comprehensive health and family welfare service to the community. Special emphasis is given on MCH services, family planning, immunization, family welfare services, nutrition, adolescent girl's health and health education programme by the students and staff of rural unit in collaboration with the staff of RHTC, Najafgarh. Staff and students also participated in National Health Programmes like Malaria control programme, Dengue control programme, Revised National Tuberculosis control programme, AIDS control programme, Diarrhea Disease control and Intensified Pulse Polio programme etc. The centre also has DOTS and Microscopic Centre for screening and treatment of T.B. & MDR TB patients RFTC Chhawla is also a 'Team Movement Point' for National Pulse Polio Programme covering 10 villages.

Library

The College Library has total 20381 Books.

Number of books purchased during the year	-	206
Foreign Journals	-	18
ii) Indian Journals	-	18
iii) Newspapers	-	06
iv) Magazines	-	07

The total expenditure on books and journals during the period was Rs. 14,39,047/-.

Faculty Strength - 33

Financial Allocation and Utilization

Budget Estimate sanction from MoHFW: Rs. 11,66,00,000/-

Grant Utilized: Rs. 11,58,00,000/-

RAMANUJAN COLLEGE

Major Activities and Achievements

Ramanujan College has been ranked 26th on All India Basis in the College's category in the National Institute Ranking Framework (NIRF 2018). There has been a construction of the new independent building of the college with state of art class-rooms, laboratories, staff rooms, and a medium sized indoor auditorium. The new building is supported by a gigantic service centre with provision of a sewage treatment plant, solar panels, water harvesting plant, electric sub-station and power generators. The proposal for setting up of the Teaching Learning Centre at Ramanujan College, University of Delhi has been approved. Ramanujan College is the second college of the University of Delhi to be awarded the Teaching Learning Centre (TLC), the most sought-after scheme of the MHRD. The vision of TLC is to provide young teachers with the tools for their development as effective and efficient teachers who are responsive to the needs of the learners in both local and global contexts.

Honours/ Distinctions

Dr. S. P. Aggarwal visited two Institutions as a NAAC Peer Team Member or Member Coordinator.

Dr. S.P. Aggarwal and Dr. Anshika Agarwal received the "Best paper Award" at the International Management Conference on "A Dynamic Shift of 4G-Good Governance and Global Growth" organised by GLA University, Mathura in 2017.

Dr. Nikhil Rajput was the Program Chair of International Conference on Information Technology and Knowledge Management (ICITKM-2017) held at Shaheed Sukhdev College of Business Studies in December 2017.

Under the guidance of Dr S.P. Aggarwal, Ms. Anshika Agarwal has been awarded Ph.D. degree by the Department of Commerce, Delhi School of Economics, University of Delhi in November 2017.

Dr. S. P. Aggarwal was the Chairperson at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in January 2018.

Dr. Anshika Agarwal Received the "Best Thesis" Award at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in 2018.

Dr. Vibhash Kumar won the Best Paper Presentation Award in the "3 International Research Conference on Entrepreneurship & Sustainability: A Skill India Perspective" organized by International Association of Research & Development Organization on 16 July 2017 at Indian Federation of United Nations Associations, Delhi.

Nazrul Islam Azmi, college librarian completed his Ph. D. from the Department of Library and Information, Nagpur University.

Dr. Dharmendra Kumar Yadav was shortlisted for Post-Doctoral Fellowship-2017 of International Institute for Population Sciences (IIPS), Mumbai .

The Bihar Urdu Academy awarded Dr. Z. A. Abbasi (AO Administration) for his book "Sahir Ludhianvi Shakhshiyat Aur Fun - 2015". He earlier also received the award for this book from Delhi and Uttar Pradesh Urdu Academy.

Students with Distinctions

Ojasva Divyashish, B.Sc. (H) Mathematics, 1 year scored highest marks in the college with CGPA of 9.45.

Sukreet Luthra , B.Sc. (H) Statistics, 1 year scored highest marks in the college with CGPA of 9.18

Saumya Shukla, BA Programme, II year scored highest marks in the college with CGPA of 8.91.

Jatin Bansal ,B.Com. (H), 2nd year scored highest marks in the college with CGPA of 8.79.

Pankaj UpadhyayB.Tech. Computer Science, IVyear secured highest marks in the college.

A BMS II Year, was selected to represent India at an International level at the World Festival of Youth and Students held in Sochi, Russia in October 2017.

Sports

Tushar Chibber won the silver medal in North zone athletics meet held at Punjab in triple jump.

Ankita Kumari won Bronze medal in Delhi state athletics meet 3000 mts.

Pinku won Bronze place in Senior Rajasthan State championship in Power Lifting.

Mohd. Iqbal won Gold medal in Kurash Junior National held in Gujarat.

Mominur won Bronze medal in Taekwondo federation India state championship.

Publications

Ahuja, O.P., Nagpal, S., Ravichandran, V. (2017) A Technique of Constructing Planar Harmonic Mappings and their Properties. *Kodai Mathematical Journal*, 40(2), 278–288.

Aggarwal, S.P., Agarwal, A. (2017) Interest Rates and Stock Market in Indian Context: An Analysis. *Pacific Business Review International*, 10(1).

Gunasekaran, V. (2017) Green Revolutions in India: Science, Agriculture, and Politics. *The International Journal of Interdisciplinary Civic and Political Studies*, 12(2), 27-37.

Kumar, A. (2017) Impact of Financial Crisis on Relationship between Aggregate Stock Returns and Macroeconomic Factors in BRICS Stock Markets. *Journal of Economic Policy and Research*, 12(1), 2-18.

Kumar, V. (2017) Student engagement: A Study of Ramanujan College. *Ramanujan International Journal of Business and Research*, 2, 1-20.

Misra, S., Yadav, D. K., Dipika, A., Shukla, K. (2018) On Estimation of Population Coefficient of Variation in Presence of Measurement Errors. *International Journal of Mathematics Trends and Technology (IJMTT)*, 51(4), 301-311.

Pathak, S., Sajjan, S.K. (2017) Women in Indian Politics: The Debate over Political Representation. *Universal Review*, 3(1).

Rathi, V.K., Pathak, S., Ankur (2017) Internet of Things: Architecture, Applications and Future Challenges. *International Journal of Enhanced Research in Science Technology & Engineering (IJERSTE)*, 6(4), 87-91.

Sharma, U., Yadav P. (2017) Understanding gender identity at workplace for professional occupations. *INSPIRA- Journal of Modern Management & Entrepreneurship*, 7(3), 59-66.

Singh, A. (2017) Impact of Macroeconomic variables on Indian Stock Market. *International journal of Economics and Management Studies (SSRG-IJEMS)*, 4(5), 65-72.

Journals Published by the College: Two

Ramanujan International Journal of Business and Research”

'International Journal of Applied Ethics'

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 10

Research Projects

Star Innovation projects scheme of University of Delhi Total sanctioned budget for Rs. 87,50,000

A Study of Lifestyle and Health (physical and mental) related problems among adolescents

Taking the work of Ramanujan to the next level: An innovation project in Cryptography

Robotics in Healthcare

Reliable data of real world for innovation

Sociovation

Seminars/ Workshops/ FDP Organized

One-day national level Faculty Development Programme (FDP) on Goods and Services Tax (GST) on October 27, 2017 in association with the Indian Accounting Association, NCR Chapter under Teaching Learning Centre, Ramanujan College.

A Faculty Development Program on 'Skilling Program for Teachers - Developing Transformational Skills' by Centre for Ethics and Values and Teaching Learning Centre, Ramanujan College was organized.

A seven-day Faculty Development Programme on "Skill based Teachers' Training in Information and Communications Technology (ICT), Intellectual Property Rights (IPR) and Research" to enhance the skill set of the teaching fraternity was organized under Teaching Learning Centre, Ramanujan College from 5th March to 11th March 2018.

A seven-day national workshop on "Human Rights and Environment" was organized from 14 to 20 March, 2018 by Centre for Human Rights Studies and Teaching Learning Centre, Ramanujan College. The thematically arranged workshop had forty-three participants from across the country.

A seminar on "Adolescents Lifestyle and Health" was organized by department of Applied Psychology on 20 September 2017.

Conferences Organized

One-day conference on "Quality Assurance in Higher Education" was organized at the India International Centre, New Delhi on 26 February, 2018 by Internal Quality Assurance Cell (IQAC) of the College.

An International Conference on "Indian Economic Transformation through the Revival of Manufacturing Sector and Start-up Ecosystem" was organized by the Department of Commerce at North Campus, University of Delhi on 21st-22nd September 2017.

Two-day UGC Sponsored National Conference in association with the Teaching Learning Centre on "Leadership in Organizations: Contemporary Concerns and Key Developments" was organized on 22nd–23rd March 2018.

Conclave of Ethicists and Educationists on the 'Role of Universal Ethics in Higher Education Teaching' was organized by Centre for Ethics and Values at India Habitat Centre, New Delhi in collaboration with Cultural Centre of H.H. the Dalai Lama, Tibet House on April 21, 2017.

Seminar/Conference Presentations

Aakanksha Bhatia presented a paper, 'Unheard voices of community workers: a study of social inclusion & exclusion' at the National Conference on "Psychological Applications and Interventions: Reaching Out and Making a Difference" organized by the Department of Psychology, Daulat Ram College, University of Delhi, on 19 January, 2018.

S.P. Aggarwal, presented a paper presented a Paper in 'Best Paper Session' at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in 2018.

Anshika Agarwal presented a paper, 'Governance in Earnings: A New Perspective' at the International Management Conference on "A Dynamic Shift of 4G-Good Governance and Global Growth" organized by GLA University, Mathura, 2017.

Rakesh Singh presented a paper, 'Sustainable Development Goals: New Initiative to achieve Good Governance in India's perspective' in an International Conference on "Dynamic Shift of 4G-Good Governance and Global Growth" organized by GLA University, Mathura during 15 to 16 December 2017.

Megha Agarwal presented a paper 'International Conference on Discrete Mathematics 2018 (ICDM 2018)' held in Periyar University, Salem, Tamil Nadu, India during 4 to 7 January 2018.

V. Gunasekaran presented a paper, 'Sustainability and Increasing the Yield of Crops: Agricultural Scientists, Farmers and the Knowledge Systems' at the International Conference on "Agriculture and Human Development in India: Indigenous Practices, Scientific Views and Sustainability", IIT, Guwahati, 8 to 9 September 2017.

Aparajita Mazumdar presented a paper, 'The Right to Food: An Elusive Grail', in the National Seminar on "Human Rights in 21st Century India: Emerging Issues and Challenges" organized by the Department of Political Science, Motilal Nehru College (Evening), University of Delhi, on 29 to 30 March 2017.

Dharmendra Kumar Yadav presented a paper 'An Improved Predictive Estimation Technique of Finite Population Mean using Coefficient of Kurtosis and Median of an Auxiliary Variable' at the 2nd International Conference on Recent Trends of Computing in Mathematics, Statistics and Information Sciences (RTCMSIT-2018), in association with Vijnana Parishad of India, held at Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi held during 9 to 11 March 2018.

Ashish Kumar Shukla presented a paper 'Estimation of population mean using auxiliary variable and known coefficient of variation under double sampling procedure' at the 3rd International Conference on "Advances in Management and Decision Sciences" organized by School of Management, Gautam Buddha University held during 30 to 31 December 2017.

Madhu Kaushik presented a paper "Hindi Cinema Samaj aur Sanskriti" in Two Days National Seminar organized by NCERT during 21 to 22 March 2018.

Dr. Vibhash Kumar conducted a session on "Ethical Dilemma in the Corporate World" as Resource Person in the Department of Management, JIMS Engineering Management Technical Campus, Greater Noida on 6 March 2018.

National/ International MoUs Signed

With the software company Tally for training students on TallyERP9.

with the NGO Rupantaran, under which the College has adopted two slum camps. Our students will provide teaching services to the children and women residing there, while Rupantaran will provide the infrastructural facilities.

With Pom Pom, a Waste Recycling

with Jaagruti, a Paper Recycling Company

With Digital Ocean, Indian Open Data Association, Juxta Smart Mandate Analytical Solutions Pvt. Ltd., Essentia SoftServ and Manacle Pvt. Ltd.

With EdCIL (India) Limited, a CPSE under MHRD, implementing partner for study in India.

Other Inter-Institutional Collaboration

The Centre for Human Rights Studies has concluded the Fifth Session of the UGC-Sponsored three-month Certificate Course and First Session of Diploma Course on Human Rights (August – March, 2017). A total of 40 students from various disciplines and colleges of the University of Delhi, Jamia Millia Islamia, IGNOU and DUSOL, along with professionals enrolled for the Course. The third batch of the three-month diploma course on International Financial Reporting Standards (IFRS) in association with the Indian Accounting Association (NCR Chapter) was initiated in January, 2018. The Department of Hindi in association with the KAUSHAL Kendra is running a certificate course in Mass Media studies. The Department of Management Studies organized a workshop on "Careers in Financial Markets" in collaboration with the Bombay Stock Exchange (BSE) Institute Ltd., along with a scholarship test for admission into BSE Institute's flagship Global Financial Markets Professional Course on 2 February 2018.

Students under Exchange Programme

As a part of the MoU signed between the University of Delhi and the Hakkido University, Japan, the Department of Political Science hosted, Ms. Mishatu Adachi from Hakkaido University, Japan, for the semester July – December 2017 as a part of a student exchange programme. She successfully completed her course with 70% marks.

Placement Details

Number of Students Placed: 285 students

Number of Companies visited for campus recruitment: 26 companies.

Extension and Outreach Activities

The Centre for Social Innovation has launched an initiative, “Pathshaala - Ek Kadam Saksharta Ki Ore” in July 2017 to provide support to underprivileged children from slums; to provide that missing link to their bright future. The centre has begun basic classes in Mathematics, English and Hindi. A one-day Outreach Programme was organized on 30 March 2017 by Department of English and Women Development Cell. Eco Club organized Outreach Programme of "Anti-Pollution Mask Distribution" among the auto drivers, nearby vendors and guards of the college on 13th November 2017 keeping in mind the rising levels of air pollution in the national capital in November 2017. It organized a Blood Donation, Eyes Checkup camp & A talk on Eyes care on 7 November 2017..

Library Development

1400 volumes of textbook, general and reference books have been added in Library, making the total collection to 4287 in disciplines of Social Sciences, Humanities, Mathematical Sciences and general subjects. Taken subscription for the session 2017-18 for e-books and e-journals through N-List and DELNET, which provides access right of more than lakhs of e-books and more than thousands of e-journals to the teacher and students of college. Mr. Nazrul Islam Azmi (librarian) , completed his Ph.D. from Department of Library and Information, Nagpur University on the topic “Study of Institutional Repositories of Delhi & NCR.”

Faculty Strength

Total number of faculty = 90

Financial Allocation and Utilization

Grant Sanctioned: Rs. 23.51 Crore

Grant Utilized: Rs. 14.71 Crore

Other Significant Information

The year long Diamond Jubilee celebrations kicked off with the College celebrating its Foundation Day on 22nd December, 2017 which was also the 130th birth anniversary of Srinivasa Ramanujan. Professor Dinesh Singh, the President of Ramanujan Mathematical Society and former Vice-Chancellor of University of Delhi graced the occasion as the Chief Guest. The highlight of the Foundation Day celebration was the 5th Ramanujan Memorial Lecture on “How Cancer gets Diagnosed Tomorrow: A Researcher's Perspective” which was delivered by Professor Shantanu Chowdhury, an eminent structural biologist at the Academy of Scientific and Innovative Research, CSIR-Institute of Genomics and Integrative Biology, New Delhi. Around 450 students successfully completed the Campus and off Campus internships like Decathlon Campus Internship, IDBI Federal Life Insurance Campus Internship, Outlook (Magazine) Group Campus Internship, Omron Healthcare Campus Internship, LAVA International Ltd. Off Campus Internship, Vcare All Solutions Pvt. Ltd. Campus Internship, New Era India Consultancy Pvt. Ltd. Internship, AglaSem Off-Campus Internship, IDBI Federal Off-Campus Internship and Vcare All Solutions Off-Campus Internship to name a few.

RAMJAS COLLEGE**Major Activities and Achievements**

Ramjas College is an eminent college of University of Delhi, Founded in 1917 by educationist-philanthropist Rai Kedar Nath. The College celebrated its Annual Day at the college Auditorium. Shri Manoj Sinha, Hon'ble Minister of State for communications and Minister of State for Railways, Government of India presided over the function as the Chief Guest along with Professor Yogesh K. Tyagi, Vice Chancellor, University of Delhi, who graced the occasion as the Guest of Honor. In this year 2017 four players of our college had position in National and All India Inter University Championship and 37 players secured positions in Inter College and State Championship and brought laurels for the college.

Physics and Zoology department has been given the status of “STAR DEPTT” by DBT (Department of Biotechnology) involved in enhancing the knowledge of students towards latest technology and recent development in the field of physics like Robotic, Drone designing, Laser and its application, Detection of Gravitational waves, Mathematical modelling of bacteria in human being.

Students with Distinctions

Prince Kumar Singh, B.A. (H) Political Science received Principal's Medal for Outstanding Specially Abled Student

Paras Batra, B.Com (P) received Rai Kedar Nath Gold medal for the best Student in Social Science at undergraduate level.

Ankit Gupta, B.Sc. (H) Botany received Rai Kedar Nath Gold Medal for The best Student of Science at undergraduate level.

Sanjay Sharma, M.A. Sanskrit received Prof. Amba Prasad Memorial Gold Medal for the best Post Graduate Student

Krishan Kumar Upadhyay, B.A. (H) History received Prof. Amba Prasad Memorial Gold Medal for the best Under Graduate Student in Humanities.

Kartik Saini, a final year student of philosophy was the best speaker at a philosophical event conducted at The Jaypee Institute of Technology.

Publications

Agnihotri, K.P., Jha M. P., Dwivedi, K.K., and Bhat V., (2018) Isolation of Nucellin promoter from *Hordeum vulgare* and its characterization in *Arabidopsis thaliana*. *The International Journal of Plant Reproductive Biology* 10 (2):151-156.

Gupta, A. (2017) Redefining Private tutoring, *International Journal of Economics and business review*, 5(2): 5, 191-195.

Jha, N. A. and Kumar, V. (2017) Consequence of an abrupt light environment on daily behavioural pattern, cognitive performance and personality trait in the parent and future zebra finch generations, *Animal Behavior*, 132, 29-47.

Lal, S. (2018) Study of Polyploidy in onion root tips. Published in Practical protocols for undergraduate students, Sciences Protocol Manual, DBT Star College Scheme, Published by Department of Biotechnology, New Delhi, Ministry of Science and Technology Govt. of India,

Pathak, N., Prajneshu, M. Kumar, L., Ramlal, A. (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. *DU Journal of Undergraduate Research and Innovation*, 3(1), 50-56.

Rawat, C.D. (2018) Digital Education and its Impact on the Process of Teaching and Learning. Consortium for Educational Communication (An Inter-University Centre of University Grants Commission on Electronic Media) News. Vol. 19 No. 2; 3-5.

Sherif H. M., Lindberg, S., Jha P.M., Geilfus, C.M., Plieth, C., Mühling K. H. (2017) Calcium improves apoplastic-cytosolic ion homeostasis in salt-stressed *Vicia faba* leaves. *Functional Plant Biology*, 44, 515-524.

Singh B. K., Chandra J., Rajor H. K., Pinkee. (2017) Spectral, Kinetics of Thermal Decomposition and Computational Analysis of Bioactive Metal Complexes of 4 –Methoxy salicyl deoxime, *International Journal of Applied Chemistry* 13(2) 235-253.

Suresh Kumar *et al* (2017) Screening and identification of bacterial strains form milk industrial waste using 16s rRNA ribotyping, *European Journal of Biotechnology and Bioscience*, 2(5): 37-40.

Singh, S., Dutta, T., Sharma, M. (2017) PHYSICS, ISBN: 978-93-5192-070-0, Satya Prakashan, Delhi.

Teachers serving as Editor(S)/Member(S) of Editorial Board = 04

Research Projects

Funding Agency: Department of Biotechnology (DBT), 2017 March - 2020, 3 years,

Title of Project: Star College Project

Amount sanctioned Non - Recurring grant: Rs. 10.00000. , Recurring Grant: 3 lakh per year for three years
Total: 13 Lakh for the year 2017-2018.

Funding Agency: Department of Biotechnology (DBT), 2018 -2020, 2 years

Title of Project: "Remediation and Reclamation of Hexachlorocyclohexane (HCH) Dumpsite by using Microbial Bioremediation Technology",

Amount sanctioned: First year: Rs.10,43,168, Second year: Rs. 6,43,168, Total : 16,86,336.

Seminars Organized

Vipul Rikhi, Indian poet, fiction writer, translator and singer, Learning from the Folk Oral Traditions of Kabir, 1 September, 2017.

Mr. Rajeev Malhotra, JINDAL School of Law and Public Policy, 'Macroeconomics Policies for Growth: India's experience since 1990, 19 September, 2017.

Mr. Sunil Jain, Financial Express, 'Was GST a better alternative to demonetization' on 20 September, 2017.

Dr ShibashishGiri (a Stem Cell specialist in research and therapy, Faculty and Head, Biomedical Centre, University of Leipzig, Germany) Talks on 'Stem Cells Product in Health Care' September 29, 2017.

Dr. Komal Manshani, Consultant, Max Hospital & Centre for child and adolescent well being, Mental Health issues in the youth.13 October, 2017.

AchinVanaik, Retd. Professor, Department of Political Science, Delhi University, The Rise of Global Authoritarianism' which focused upon the historical aspect of the issue and place it in the present context, 17 October, 2017.

Dr Shibashish Giri, A Stem Cell specialist in research and therapy, Faculty and Head, Biomedical Centre, University of Leipzig, Germany, Stem Cells Product in Health Care, 29 November, 2017.

Dr.AlokArun, Assistant Professor, Inter American University of Puerto Rico, Barranquitas, Puerto Rico, USA,Workshop on Scientific Writing & Oral Presentation, 18 January, 2018

Dr. Adarsh Sharma Former Director NIPCCID (National institute of Public Cooperation and Child Development. Expert on Early Childhood Care & Education, Executive Member, AIWEFA, Ways to promote Intergenerational Bonding, 30 January, 2018

HarbansMukhia and Neeladri Bhattacharya (Retd.Profs. JNU), The Historian's Craft' focused on new approaches to the writing of medieval Indian history and the question of historical reconstruction, community memory and expanding archives. 20 February, 2018.

AnkitChadha and VedanthBhardwaj, A dastan on 'Gandhi's idea of 'death' in *Prarthana*. 20 February, 2018.

Ms Swati Maliwal, Chairperson, Delhi Commission for Women, Child Rape and Sexual Abuse. 11 April, 2018.

Conferences / Workshops organized

Two day Second Science Film Festival in Collaboration with VIGYAN PRASAR, Department of Science and Technology, Government of India was organized on 28-29 August 2018.

Digital Learning, Role of Technology in Learning , in Collaboration with Pearson Education Ltd. India was organized on 25 September 2018.

Energy Audit, was conducted by Dr. Ashok Kumar, Energy Consultant from Bureau of Energy Efficiency, Ministry of Power, Government of India and International Co-operation on 13 March, 2018.

Econometrics software, covering important software's like MS- Excel, Gretl was organized on 27 Feb, 2018.

Promoting Intergenerational Bonding, was organized by All India Women's Education fund Association (AIWEFA) sponsored by National Institute of Social Defence (NISD), Ministry of Social Justice & Empowerment under DBT Star College Project on 30 January, 2018,

Seminar/Conference Presentations

Bharti Chaudhry, Suresh Kumar, Anupama Tiku and Pooja Jha Maity presented a paper, " Micropropagation of medicinally important plant: *Bacopamonnieri*. At International Conference on Medicinal Plants and Drug Discovery held during July 18-20, 2018. Bangalore, India.

Amit Bhattacharya: presented paper on "Antimalarial pharmacodynamics of repurposed drugs in combination with artemisinin against *Plasmodium falciparum in vitro*"). in the National Conference on

“Vector borne and Zoonotic Diseases: Emerging challenges in surveillance, diagnosis and control in the context of global travel, urbanization and climate change”, Ashutosh College, Calcutta University, Kolkata held during 8 -9 December 2017.

Amit Bhattacharya gave talk on Technoference: Alone Together in the Faculty Development Program: Positive Education: Developing Skills for Teaching, Learning, and Well-Being held during 22-28 May, 2018.

Charu Dogra Rawat* and Sadhna Sharma presented a paper on Research Based Pedagogical Tool – re-designing pedagogy’ At International Conference held during 8-10 November, 2017.

Neelu Anand Jha presented paper on Effect of changing light environment on behaviour and physiology of organisms in National conference on “Environmental Challenges for New India”. held at Dr. BhimRaoAmbedkar College, University of Delhi, Delhi during 2- 3 June 2018.

Dr. Helianthus, presented a paper on “Complete genetic repertoire of a hexachlorocyclohexane degrading bacterium, *Sphingobium indicum* B90A” under Innovative Science special session for faculty at INSCR International Conference, 2017 on “Role of Microbe-Plant- Animal Interactions in Human Health” at University of Delhi, Delhi, India on 27 September, 2017.

Roma Rani, Suresh Kumar, Alok Kumar, Kartiki Bhatnagar, ShauryaVardhan, MuktaKamboj, ThokchomPriton Singh, ChRachana, ShalviDogra, Nixon Chakma, RichaKumari, KhundongbamNonglenkhomba Meitei, 2018. Effect of kitchen waste’s material on the growth of crop plants. Presented on National Seminar on “Recent Trends of Research in Life Sciences” at Ramjas College, University of Delhi, 21st March 2018.

Pooja Jha Maity presented a poster in the INSCR International Conference – Comparative Codon and Amino Acid Usage Bias among the sequenced Genomes of Bacterial Phylum Firmicutes. In the INSCR International Conference – 2017 on “Role of Microbe-Plant- Animal Interactions in Human Health” held during 26- 28 September 2017.

Aavrati Saxena, AmanGangwar, Anushka, Kritika, ShubhanshuPandey, Pratistha Sharma, Ramnik Sharma, Manisha Singh, Sonal Nigam, HelianthusVerma, Devi Lal, CharuDograRawat* and SukanyaLal presented poster on Isolation of Hexachlorocyclohexane (HCH) - Degrading Bacteria From HCH - Contaminated Soil From an HCH Dumpsite at 3rd Indian Soil Contamination Network Research (INSCR) International Conference IIC-2018 held at KIIT (Deemed to be University), Bhubaneswar, Odisha during 26-27 September, 2018.

Charu Dogra Rawat, presented E-poster, “Methods and Applications of CRISPR-Mediated Base Editing in Eukaryotic Genomes” in National Symposium- cum- Faculty Development Program on “Genome Editing –Tools and Applications”, held at Miranda House, University of Delhi, New Delhi during 15 – 22 January, 2018.

Samar Pal Singh, Jai Gopal Sharma and RinaChakrabarti, presented Poster in Indo-US Workshop & International Symposium on “Biological Timing and Health Issues in the 21st Century” organized by Department of Zoology, University of Delhi, Delhi during February 21-24, 2017.

Yadav Shailesh Kumar R. and Aparna Dixit presented a paper, “Anti-hyperglycemic activity of Napin-like protein of *Momordica charantia*” in International Conference on “Trends in Biochemical and Biomedical Research: Advances and Challenges” Department of Biochemistry, Institute of Science, Banaras Hindu University Varanasi, INDIA, during February 13-15, 2018.

Extension and Outreach Activities

A Inspire Science Internship Camp sponsored by Department of Science & Technology, Govt. of India, organized by the College, in which 165 students of Classes 11th and 12th from thirty five schools of Delhi took part, 3rd to 8th July, 2017. Two momentous projects namely Navnirman and Drishti were undertaken by NSS unit of the College this year. In Project Navnirman, children from Cigarette-wala Bagh slum cluster of Model Town were taught by student volunteers. In Project Drishti, about 30 students of NSS assisted visually-challenged students in their assignments, projects and as scribes in examinations. Ramjas NSS had also organized a Self-Defence workshop for women on the birth anniversary of Netaji Subhash Chandra Bose. In this workshop 40 girl-students were trained for 10 days under the aegis of CDLSA (Central and Delhi State Legal services Authorities) and Delhi Police.

Library Development

Number of books added in 2017-2018 was 1300

The library subscribed N-list from INFLI &NET. THE COLLEGE Also received E-journalsubscribed by Delhi University library system

Faculty Strength

Total number of Permanent faculty = 99

Total number of Temporary faculty = 1

Total number of Ad-Hoc faculty = 141

Financial Allocation and Utilization

Grant sanctioned: Rs.51,73,24,000/-

Grant Utilized:-Rs.42,75,22,421/-

Other Significant Information

The Startup Edge- Entrepreneurship Cell, Ramjas College has formulated with the vision of nurturing the entrepreneurial instinct among the students of the college and goes by the motto of ‘Transforming Passion into Profession’. It organized The Leadership Summit that invited Mr. Dushyant Chautla as the Chief Guest and The Internship Fair-2 in the Ramjas College ground. That invited 52 companies recruiting from our campus itself. More than 1000 students participated in the same and almost 300 students were offered internships which gave a boost to their careers. Spreading entrepreneurship was not the only motto according to members of the society, but creating an environment for entrepreneurship and helping other students to learn more about the day to day practical businesses. Under the Umbrella of The Start-up Society, students organised an awareness run to promote Donor on Call organised by Green Shakti Foundation in Association with Deloitte

RAM LAL ANAND COLLEGE

Major Activities And Achievements

The college has started two courses B.A. (Hons) Mathematics and Bachelor of Management Studies (BMS) from this session. Keeping pace with the new education policy of Government of India which mandates skill development courses in higher educational institutions, a skill enhancing 6 months certificate course in “Heritage and Tourism Management” has been started by the college in collaboration with industry partner. The Nijhawan Group of companies, pioneers of travel and tourism Industry. Another certificate course of 6 days “Analytics using R” is being offered to the students in collaboration with Step Up Analytics. Two new centres have been started in the college; Centre for Education and Training in Disaster Management and Center for Entrepreneurship and Technology Development. The college has initiated a monthly lecture series by Eminent Personalities on current issues and human values to apprise students.

Honors

Dr Rakesh Kumar received an award “Vikas ke Satat Saathi Puraskaar” 2017-18 from Dabur Ayurved.

Dr. Pradeep Kumar Sharma, has been awarded PhD degree in August 2017 from JJT University, Rajasthan.

Students With Distinction

Nitin Kumar Khandelwal , B.Sc (Hons) Geology, has been awarded Gold Medal in the University Convocation in 2017.

Pavni Sharma and K M Ambika from B.Sc (Hons.) Microbiology and Dependra Singh, Vishal Saini and Rishabh Kumar of B.Sc (Hons.) Geology were awarded INSPIRE Fellowship from DST.

Shreya Uttam, B. A. (Hons) II year received an Educational Scholarship of Rs 20,000 from World Brotherhood Organisation.

Y Yoshi, B.Sc (Hons.) Microbiology is the recipient of PM Trophy Merit Scholarship from SAIL.

Lucy, Horan, Amir, Rahul and Ronald from North East have received Ishan Uday Scholarship from UGC

Publications (Selected)

Khanna, S. T. Sharma, K. (2017) Technology improving wireless communication: A comprehensive study on Laser Communication. *IOSR Journal of Computer Engineering*, 119 (4), <http://www.iosrjournals.org/iosr-jce/papers/Vol119-issue4/Version-2/E1904022633.pdf>

Kumar, P. (2017) Imagining Kingship, Duty and Love in Ancient India Perspectives from the Priyadarśika and the Ratnāvalī of Śrī Harṣa. New Delhi: Research India Press.

Kumar, R. (2018) Business Law. A K Publisher.

Kumar, S. (2017) Susashan kai protashan main prodhogiki aivam navachar ka prayog. *International Journal of Literary Studies*

Kumar, V. B. (2018) Democratization in Kyrgyzstan and Turkmenistan. Academic Publications

Mishra, B. K. et al. (2017) Automatic Green Corridor using Radio sensor to save Human Life. *IJECT*

Prasad, S., Ratha, S., Adarsh, T., Anand, T., Sinha, A., Diwan P., Annapurna, K.; Kaushik, B..(2018) In vitro Bioactivity and Antibacterial Properties of Bismuth Oxide Modified Bioactive Glasses. *Journal of Materials Research*, 33(02):1-13.

Sharma, S. and Upadhyay R. (2017) Information communication technology and Digitalization: A Compatibility analysis with MGNREGA. *International Journal of Scientific Research in Network Security and Communication*, http://ijsrncs.org/pub_paper/IJSRNSC/27-IJSRNSC-0229-60.pdf

Tyagi, K. G. (2017) Central Asia from Tsarist Regime to October Revolution. Gurugram, Haryana: Hind Publication.

Yadav, N. (2017) Agricultural Marketing in India: Issues and Concern. Manak Publications.

Number of College Teachers Serving As Editor/Member Of Editorial Board: 3

Research Project

Dr Prerna Diwan , R.K.Gupta and Dr Kusum Gupta (2017-18) . Department of Biotechnology, Ministry of Science and Technology, Govt of India, Betel Nut Chewing Induced Genotoxic Changes–Evaluation and Awareness Study in Young Population of North Eastern State of India for Rs 8.00 lakhs

Seminar Organized

National Seminar entitled “Indian Culture: Tradition and Practices (Recent Reflections)” by Department of History on 16 March 2018.

Seminar “Interpreting Gandhi in Contemporary Indian Society” by Prof Ramesh Bhardwaj, Director, Gandhi Bhawan on 28 February 2018.

National Seminar entitled “Synchronization of devices using cloud” organized by Department of Computer Science on 21 February 2018.

International Seminar on “Infectious Diseases: Current Strategies for Diagnosis and Therapy” on 2nd February 2018 organized by Department of Microbiology.

Two Day National Seminar and Workshop on “Rangmanch” organized by Hindi Sahitya Parishad of Department of Hindi on 8 to 9 January 2018.

Workshops Organized

Carrier Guidance and Career Counselling Workshop was held in three separate batches for Science/Commerce/Humanities students on 22 to 24 January, 2018.

Yoga Workshop on the occasion of International Yoga Day from 19th June to June 21, 2017 with interactive lecture session on Yoga, live demonstration by experts.

A three weeks Yoga Workshop for student and faculty was organized during 23 Oct. to 10 Nov. 2017.

Workshop on Mind Management dealing with basic method of mind management and relaxation of the mind on 22 September, 2017.

One Day Workshop on “Web Journalism: Opportunities and Challenges” organized on 8th April 2018, eminent speakers Shri Sandeep Kumar and Shri Prabhat and Shri Anwar.

Faculty Development Programme “1st ICT workshop on Microsoft Excel and Power point” was organized for faculty of the college.

Seminar/Conference Presentations

Rakesh Kumar, presented a paper 'Rashtrakavi Maithili Sharan Gupt: Vyaktitv Aur Krititv in Maithili Sharan Gupt at Mukhtangan', Delhi, 11 March 2018.

Rakesh Kumar, presented a paper 'Khabron Ki Khabar': A criticism of present day News in Abhidha 2018-Annual Literary Fest at Hindu College, University of Delhi on 10 April, 2018.

Sanjay Kumar Sharma presented a paper, 'Vasudhaiva Kutumbakam- Whole World is One Family' in an International Conference held at Aryabhata College, University of Delhi organized in association with Shaishik Foundation during 24 to 25 February, 2018.

K.G. Tyagi presented a paper, 'Realization of the Absolute Reality within Oneself is the Ultimate Goal of Vedas' in WAVES International Conference at New Delhi, held on 10 Dec., 2017.

Parul Lau Gaur presented a paper, 'Power Play at the Indian Mughal Court: An introspection of physical culture' in a Conference on "Probing the boundaries" at Vienna, Austria, held during 2 to 3 December, 2017.

Tiranjana Raj, presented a paper, 'Desirability and Feasibility of Holding simultaneous Elections: Its impact on Tribal population in India' in 12th International Conference organized by Institute for Social Development & Research, Gari Hotwar, Ranchi during 7 to 9 October 2017..

Sunila Hooda, presented a paper, 'Investigating the phenotype and genotype for N-response and NUE in rice' in an International Workshop on "Challenges and opportunities for agricultural nitrogen science in India" at National Academy of Agricultural Sciences, New Delhi held during 3 to 5 October 2017

MoU Signed: 3

With School of Open Learning, University of Delhi for Personal Contact Programs, Counselling sessions (Functioning as Study Centre) and conduct of Year End Examination for 3 years.

With CalyxPOD Talent Solutions Pvt. Ltd. on 1st December 2017, to manage placement/internship schedules and records.

With Nijahawan Group as Industry Partner, a leading Travel Conglomerates in India with vastly diversified entities within the travel Industry on 29th January 2018 for 36 months, to

Other Inter-Institutional collaboration

Dr Perna Diwan, Department of Microbiology, is collaborating with Dr. Kaushik Biswas, Assistant Professor, CSIR-Central Glass and Ceramic Research Institute, Kolkata for Antibacterial Assay studies.

Students Under Exchange Program

The college hosted delegates and students from North Eastern State Sikkim under the Govt. of India initiative "Ek Bharat Shreshth Bharat" through Nehru Yuva Kendra. One of our student Mr Mahesh Kumar, BJMC Ist Year visited Sikkim under this programme.

Placement Details

160 students were offered jobs by Amazon, Tech Mahindra, KPMG, Smart Schools Inc Ltd.

18 companies participated in an Internship Fair organized in the college and selected 300 students.

Extension And Outreach Activities

NCC cadets offered Guard of Honour and Flag Hoisting on 15th of August 2017. NCC cadets participated in the various camps this year including Thal sainik camp (TSC), Advanced Leadership Camp (ALC), National Integration Camp (NIC), Trekking Camp, Army Attachment Camp (ATC) and Combined annual training camp (CATC). NSS unit organized cleanliness drives, Election awareness drive, Tree Plantation, Clothes Donation, Blood Donation Camp, awareness talk on Spinal Cord and sports Injuries. Women Welfare Advisory Committee conducted Self Defense programme for girl students from 18th September 2017 to 22nd September 2017 in collaboration with Delhi Police and Women Power Association, an NGO based in Delhi. This committee in association with CSR Research Foundation installed a sanitary napkin vending machine under the initiative "Mission AAA", Awareness, Availability & Affordability of sanitary napkins to promote Healthcare, Hygiene for women besides Gender Sensitivity and Women Empowerment at large.

Library Development

The library has added 1047 books in the session 2017-18 making total collection of 62000.

Faculty Strength:

Total number of Permanent faculty = 40

Total number of Adhoc - faculty = 43

Financial Allocation And Utilization

Grant sanctioned : Rs. 21crores

Grant Utilized : Rs. 16.81 crores

Other Significant Information

The college hosted Open House Session on 12 June 2017 for aspirants seeking admission at UG level in University of Delhi. Centralized Trials were also conducted for UG admission of students in University of Delhi under quota for Extra-curricular activities in NCC (22-27 June 2017, 5th July 2017) and NSS (18th - 20th June 2017, 3rd July) categories. Field trips were conducted for students of various departments to give additional knowledge and exposure which goes beyond class room teaching. SPIC MACAY RLA Chapter organized a musical concert by one of the most renowned Santoor Maestro, Shri Abhay Rustum Sopori.

SATYAWATI COLLEGE**Major Activities and achievements**

The College was successful in expanding its infrastructure by creating Solar Energy plant and it has also constructed the Lifts in the college campus. The college has organized few National and International Seminars. Process of digitilization of the students, teaching and non-teaching data has been initiated by the college.

Honours/Distinction

Dr. Nirmal Jindal received “College Lecturer” award from Directorate of Higher Education, Government of NCT of Delhi for the year 2017-18.

Dr. Anju Seth received Samaradhaka Samman award from Sanskrit Academy (Delhi Government) for the year 2017-18

Dr. Manjula Dass received “ Global Women Achiever”, “Bechun Thakur Puraskar” and Sahitya Kriti Puraskar in year 2017-18

Student with distinction

RajatKhurana, B.Com (H) III secured first position in the college.

RaghavKapoor, B.Com (P) III secured first position in the college.

Krishna Mittal, B.A (H)- Eco II secured first position in the college.

AnubhaviBansal, B.Com (H) I secured first position in the college.

ShivaniGoyal, B.Sc (H) Math I secured first position in the college.

Publications

Mathur, A. (2017) Work Life Balance, Myth or Reality- A Conceptual Exploration : JIMS 8M, *The Journal of Indian Management & Strategy*, 22[7-9], 29-37.

Mathur, A. (2018) Fundamentals of Entrepreneurship, Delhi, Taxmann.

Mathur, A. (2018) Illiteracy & Population Growth- a study of Kerala &Bihar: JIMS 8M, *The Journal of Indian Management & Strategy*, 23[4-6], 35-43.

Mathur, A.(2017) Leadership- Issues & Challenges, Delhi, YE Books.

Nirmal J. (2018) Relevance of Gandhi in Modern India, *International Journal of Historical Insight and Research(IJHIR)*, 4, (1)

Singh A., Singh R. (2017) Biodiversity and conservation.Applied Physical Chemistry with Multidisciplinary Approaches.EditorDevrimBalkose, Sabu Thomas, Apple Academic press, NJ, USA Hard. ISBN: 9781771886062

Singh R, Gautam,N., Singh A. (2018) Plant Growths Regulator. Theoretical Models and Experimental Approaches in Physical Chemistry: Research Methodology and Practical Methods. Editor: A.K.Haghi, Sabu Thomas. CRC Press: Taylor and Francis Group, USA. ISBN: 97817718863215.

Sunny, A., Diwakar, S., Sharma, G. P. (2018) Interactions between non-native plants and native insects: research gaps. *Current Science*, 114(4), 728-729.

Research Projects

Dr. Rajeev Singh, project funded by Ministry of Science and Technology, Govt. of India, (2017-18), Isolation and Characterization of Bio-contaminant from Indoor Environment in Delhi Residence and their impact on Human Health for Rs. 36 La

Seminar Organized

An International Seminar on “Revisiting Gandhi and Ambedkar” was organized by SC/ST Advisory Committee on 24, 2017

National Seminar on “Importance of Braille” was organized by Equal Opportunity Cell on 13 March,, 2018.

National Seminar on “Remembering Gandhi: The Messenger of Peace” was organized by Gandhi Study Circle & Debating Society on 21 March, 2018.

National Seminar on “Recasting the Subaltern: Visual Media in the North East India” was organized by North East Society on 31 March, 2018.

National Seminar on “Indian Democracy and Tribal Rights” was organized by SC/ST Advisory Committee on 28August, 2018.

Seminar/Conference Presentations

Nirmal Jindal presented a paper, 'Globalization and Environment security' in a national seminar on “Environment Sustainability and Conservation” Issue and Challenges in 21st Century” organized by the Department of Environment and Government of Delhi on15 Nov., 2017.

Anju Seth presented a paper, 'Remembering the Vivekananda vision of Modern India' in the National Seminar on the topic title: “Remembering the Vivekananda vision of Modern India” on Sep 20, 2017.

Bhuwan Kumar Jha presented a paper, 'सत्याग्रहकाविचारऔरप्रयोग:गाँधीसेराजनारायणतक' in the National Seminar held on March 20, 2018.

Manju Dubran presented a paper, 'Ambedkar on Planning and Development' in the International Seminar on 24 Oct, 2018.

Sunanda Sinha presented a paper, 'The Trajectory of Violence in Ngugi’s Novels' in International Seminar on 17 March, 2018.

Abha Mathur presented a paper, 'Emerging Dimension in Corporate Social Responsibilities in Indian Companies- A case study of Initiatives by TATA' in a National Conference on August 04, 2017.

Lajpat Rai presented a paper, 'Religion, Environment and Politics' in National Seminar on 15 Nov., 2017.

Library Development

Total Budget : Rs. 544041/-

Book Purchased : 1403

Newspaper, Magazine & Journals: 46

Faculty Strength

Total number of Permanent faculty = 103

Total number of Ad-Hoc faculty = 40

Total number of Temporary faculty = 01

Financial Allocation and Utilization

Grant Sanctioned: Rs.33,32,30,000/-

Grant Utilized : Rs. 28,64,73,000/-

SATYAWATI COLLEGE (EVENING)

Major Activities and Achievements

While imparting quality education to the students, many of the teachers have participated and presented research papers at various national and international academic and scholarly conferences, seminars and workshops, both in India and abroad. Some of them, also, have authored and/or co-authored academic articles and books. The college has established its reputation in various fields such as Sports, NCC, Dramatics and Debate. The college has set up the benchmark for excellence in Judo and Weight Lifting. Our students have excelled in Wrestling, Weight Lifting, Body Building, Kabaddi, Archery and Judo at Inter-University, National and International level. The N.C.C. unit has provided ample opportunities to the cadets to participate in important all India Camps including Republic Day Camp, Prime Minister's Rally (2018) Delhi Cantt. and Special National Integration Camp (Lakshadweep), National Integration Camp (Bharatpur), Advance Leadership Camp (Gujarat and Rajasthan), Amar JawanJyoti Camp(India Gate), Para sailing & Para slithering camp etc.

Students with Distinctions

Our students have to their credit following achievements in various University of Delhi events:

Body-building

Mr. Mohit Pal of Pol.Sc.(H) III year, won the gold medal in the 90kg weight category.

Mr. Pramod Kumar Pol.Sc.(H) II year won the silver medal in below 80 kg, and,

Mr. Gopi Singh, Pol.Sc.(H) III year won the bronze medal in 75 kg category.

Mr. Hemant Bansal of B.Com (P) won silver medal in both 100 mtr. and 200 mtr.

Mr. Govind of B.A (P) I year won the bronze medal in below 91 kg category (Boxing).

Mr. Abhishek of B.A (P) won the bronze medal in Greco Roman 55 kg weight category(wrestling).

Publications

Bhardwaj, S. B., R.P. Bahuguna, M. Kumar, (2017) Revisiting the History of Medieval Rajasthan: Essays for Professor Dilbagh Singh New Delhi: Primus Books.

Kumar, M. (2017) Why is it Necessary to Resist Stationary? -Rethinking Significance of Folk Traditions of Early Modern Rajasthan.in Vikas Kumar(ed.) *Religion, Ethnicity and Resistance: Why can't We Coexist?*, New Delhi: Authors Press, 122-137.

Kumar, M. (2017) The Man Who Internalised Gandhian Philosophy.*Orbit*, 1, 4-7.

Kumar, M. (2017) Rajasthan's Architectural Marvels of Water Conservation. *The Wire*, <https://thewire.in/153245>.

Kumar,M. (2017) Orality Community and Society. UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Mittal, P., S. Yadav , P. Chakraborti and U. Arora (2018) *Children aged 6-24 months like to watch YouTube videos but could not learn anything from them*. *Acta Paediatrica*, DOI 10.1111/apa.14291, ISSN: 0803-5253, Scopus Indexed, Wiley Pub.

Singh, N. (2017) Sardar Patel: A Reappraisal. in *Sardar Patel Memorial Lecture*, New Delhi: Sardar Vallabhbhai Patel Smarak Trust.

Singh, N. (2017) The Sahib and the Khadim: India in the Print Media during Colonial Rule. UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Singh, N. (2017) Colonial Context, Press and Contradictions in India.UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Singh, N. (2017) Nationalist Press in India.UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studiesinflibnet.ac.in/ahl.php?csrno=24.

Seminars Organized

Prof. P K Basant, Department of History and Culture, Jamia Millia Islamia & Dr. Om Prakash Singh, Associate professor, Delhi College of Arts and Commerce, *The Iron Age in India*, 29th September 2017.

Prof. Anne Feldhaus, Distinguished Foundation Professor of Religious Studies, Arizona State University, Tempe, USA, *The historical role of places of pilgrimage with special reference to Western India*, 12 January 2018.

Shri Chandi Prasad Bhatt, renowned environmentalist and pioneer of the Chipko Movement, *the Himalayan Ecosystem: importance, threats, vulnerability and conservation processes*, 21 September, 2017.

Prof. Kaushal Kishor Sharma (Centre for the Study of Regional Development, JNU, 'Water and Life' 8 September, 2017.

Shri Ashutosh Kumar, Academic Director, Jammu & Kashmir Study Centre, New Delhi, *Article 370 and 35 A of the Indian Constitution and Media*, 29 October 2017.

Conferences Organized

'Environmental Sustainability and Conservation: Issues and Challenges in 21st Century' Department of Environment, Govt. of NCT Delhi held during 15 November, 2017.

'Buddhism in Early Medieval India', 2017, ICHR during 15th September.

'Bharat Vibhajanaur Sindhi Asmita', National Council for Promotion of Sindhi Language, MHRD, Govt. of India during 22-23 February, 2018.

Seminar/Conference Presentations

A. Ravichandran presented a paper, "Organizational Climate HRD Climate Job Satisfaction and Its Outcomes: A Conceptual Model" in Fifteenth AIMS International Conference on Management held at IMT Ghaziabad during , January 6-8, 2018.

Durgesh Verma presented a paper, "BhartiyaStri: BadalteMulya" at One Day International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change on Monday, organized by Rajiv Gandhi Study Circle, Delhi during 29January, 2018.

Durgesh Verma presented a paper, "The Making of Sindhi Hindu Identity: Life after Partition" international Seminar on Bharat Vibhajanaur Sindhi Asmita, organized by Satyawati College Evening in collaboration with National Council for Promotion of Sindhi Language, MHRD, Govt. of India during 22-23February, 2018 .

Mayank Kumar presented a paper, "Beginning of Early Modern Era? Socio-Religious readings in the nature of the 17th -18th century polities of Rajasthan", at the conference on Debating Early Modern in South Asian History, organised by Ashoka University, Sonapat during 9-10 February 2018.

Mayank Kumar presented a paper, "Migrations, Settlements and Climate" at International Seminar on Migration and Settlements: Development of Cross-cultural India (A Study in Historical Perspective through the Ages), organised by Mahila P.G. Mahavidaya, Jodhpur during 25-26 July 2017.

Mayank Kumar presented a paper, 'Visibly-Invisible: Sources, Environment and Historians', at the National Seminar on Environment and Society organised by School of Inter-disciplinary and Trans-Disciplinary Studies, Indira Gandhi National Open University, New Delhi , on 31October, 2017.

Neerja Singh presented a paper, "Patel and the Left" at National Seminar on Making of a Gandhian Nationalist- Life and Times of Sardar Patel organized by Nehru Memorial Museum and Library, New Delhi, 31 October and 1 November 2017.

Neerja Singh presented a paper, "Letters as Information and Historical Sources", at the International Seminar on Media Studies: Pedagogic and Methodological Engagemnets, organised by Centre for Media Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi, 23-25 March 2018.

Rajiv Verma presented a paper, "Emergence of "New Woman" Entrepreneurs in India: A Historical Analysis" at One Day International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change on Monday, 29 January, 2018organized by Rajiv Gandhi Study Circle, Delhi.

Rajiv Verma presented a paper, "Conservation of Himalayan Ecology through Buddhist Philosophy at International Seminar on Himalayan Buddhism: Continuity and Change", Organised under UGC SPA programme by the Department of Buddhist Studies, University of Delhi during 26-27 March 2018.

Shiba C. Panda presented a paper, "Entrepreneurship- As a Business Strategy" at the National Conference on Strategies for Business Excellence, Greater Noida, Delhi held during 09 March, 2018.

Placement Details

Various companies selected 36 students of the college for interns and final placement at the average monthly stipend of Rs. 6000-8000 p.m. and annual pay package of Rs. 1lac to 2.5 lacs respectively. Companies (such as Genpact, FRR Forex, Rapicon LLP and Internshala) visited and conducted campus recruitment both for summer internship and final placement during the month of January-April 2018.

Extension and Outreach Activities

Faculty Development Program on Data Analytics Using R Environment, Aug. 25-26, 2017.

Library Development

The college library has added 1604 new books on various subjects to its collection. The library subscribes to six journals of various disciplines, twenty seven magazines and twenty three newspapers. In a recent initiative the library has subscribed Reliance Drishti journal for blind students. The library is also the member of N – LIST programme. The programme is funded by the MHRD under NMEICT to extend access to selected e-resources to colleges. It has subsumed under UGC-INFONET-Digital Library Consortium as college component from year 2014 being funded by UGC. The Library offers an open access facility and OPAC facility to the users for the available collection. Recently library has opened a new reading room for users, where students are allowed to carry their own reading material and laptops etc. for reading.

Faculty Strength

Total number of Permanent faculty: 37+1 (OMSP Instructor)

Total number of Adhoc faculty: 61

Financial Allocation and Utilization

Grant sanctioned : Rs. 22.27 crores

Grant Utilized : Rs. 19.63 crores

SCHOOL OF OPEN LEARNING

Major activities and achievements

SOL has celebrated the International Day of Yoga on 21st June, 2017 as per the direction of the University.

Students with distinctions

Abhay, B.com secured 80.44% marks

Anant Gupta B.com (H), secured 79.12% marks

Ishleen Sethi, B.com (H) secured 78.76% marks

Shivani, M.A. (Sanskrit), secured 78.5%

Library Development:

a) Total Budget	:	Rs. 1,38,000,00-00
b) Number of books added	:	13951 volumes
c) No. of National Periodicals/Journals Subscribed	:	08
d) No. of International Periodicals/Journals Subscribed	:	01

DELNET services are extended to the academics for to their requests of those documents which are not available in SOL library. The documents are collected from members libraries of DELNET and made available for consultation in SOL library premises only. The students are provisioned with the N-list database of more than 6257+ e-journals with back files for 10 years and 31,35,809 + e-books. These resources belong to all the disciplines and student can access this facility remotely from anywhere 24x7hrs.

Equal opportunity Cell (EOC) has full-fledged facility with special gadgets and software for visually impaired namely Seika V3-Braille Display, Braille Sense U2 Note Taker, Readit Scholar-HD, Read Easy move standalone reading Machine, Daisy Player, Braille Face and NVDA. SOL is associate member of this online service for visually impaired students. The Sugamya Pustakalaya is the aggregator of accessible e-versions of books available in India. It is poised to become the largest collection of books in accessible formats in India and a one-stop resource for the reading requirements of all those persons who due to blindness, weak eyesight or any other disability cannot read the standard print. Bookshare, the largest International online library for persons with print disabilities is also integrated into Sugamya Pustakalaya.

Faculty Strength

Total number of Permanent faculty= 23

Total number of Temp faculty= 01

SHAHEED BHAGAT SINGH COLLEGE

Major Activities and achievements

The Grand celebration of the Golden Jubilee of the College (2016-17) was organized on the 16th July 2017 at Siri Fort Auditorium. The illustrious and eventful fiftieth year of the college in its Valedictory function had the gracious presence of Dr. Jagdish Mukhi, Hon'ble Lt. Governor, Andaman and Nicobar Island as the Chief Guest. On this occasion, the college conferred the Bhagat Singh Award of Excellence to six of our alumni's that included Shri Shoojit Sircar, Film-maker and Mr. Sidharth Malhotra, Actor for their contribution to the field of Art and Culture, Shri Sandeep Marwah, for his contribution to the field of Entrepreneurship, Ms. Veena Ish, IAS, Member Administration, NHAI, Ministry of Roads Transport and High ways for her contribution to the field of Public Service, Shri Sajiv K. Chaudhary, Partner, Tax and Regulatory Services, KPMG for his contribution to the field of Management and Justice V. Kameswar Rao, Judge, High Court of Delhi for his contribution to the field of Law.

Outstanding Honors/Distinctions

Dr. Shuchi Priya Mittal, has been awarded Ph.D. in Management from Faculty of Management Studies, University of Delhi in July 2017.

Dr. Simple Mohanty, has been awarded the Ph.D. in Political Science by the University of Delhi in July 2017.

Dr. Meera Mehta, conferred the Best Paper Award for the paper titled, "Can Interest-free banking be interesting for India?" at International Academic Conference on Business-2017, Stockholm, Sweden, held from June 4 to 8, 2017.

Dr. Ruchi Gupta, was awarded the ICBM- AMP Academic Excellence Award 2017 in the category of 'Best Professor in Advertising' in a function jointly organised by ICBM and Academy of Management Professionals in Hyderabad in December, 2017.

Dr. Nilanjana Mukherjee awarded the prestigious Charles Wallace India Trust Visiting Fellowship at the Institute of Advanced Studies in the Humanities, University of Edinburgh, UK.

Dr. Poonam Sharma, awarded with "Meritorious Teacher Award 2017-18" by the Government of NCT of Delhi. She has also received the Award for good paper presentation at International Conference, Nordic Geographers Meeting in Stockholm, Sweden during 18-21 June 2017.

Dr. Rityusha Mani Tiwary awarded the "International Visiting Fellowship 2017", by Academy of Korean Studies, Seoul, South Korea, June 15-30, 2017. She was also selected for the "Visiting Program for Young Sinologists 2017" by the Ministry of Culture of the People's Republic of China (MOC), Beijing, China, in 2017.

Dr. Shantesh Kumar Singh awarded the Post-doctoral Fellowship by the International Institute for Global Health, United Nations University, Kuala Lumpur, Malaysia.

Publications (Selected)

Arora, S. (2017) "E-Commerce" published by Taxmann Publishers, New Delhi

Gupta, R. (2017) “Advertising” published by Scholar Tech Press

Murari, K. (2018). "Shasan: Mudde aur Chunautiyan", Orient Blackswan, New Delhi.

Sharma, V.S. (2017) "Initiatives of ULB in Providing Affordable Housing for the Urban Poor in Rajkot City, Gujarat" published by Concept Publishing Company, New Delhi

Sharma, V.S. (2017) "Impact of Development on Environment of a City: A Case Study of Yamuna River in Delhi" published by India Publishing House, New Delhi.

Sharma, V.S. (2018) "Disaster Management and Institutional Framework in India", published by Research India Press, New Delhi..

Singh, S.K. (2017) “Nepal me Loktantra aur Print Media (1990 ke Pashchat)" Sahitya Sanchay Publications, Delhi, India.

Seminar Organized

National Seminar on "Demonetization and GST: Emerging Issues in Indian Economy" was organized by Department of Economics IIC, New Delhi.

National Seminar on “Electoral Process and Dynamics of Democracy in India” was organized at Jawaharlal Nehru University on April 4-5, 2018.

Conference Organized

An International Conference on “Livable Cities: Transforming Sustainability and its Challenges” on February 5-7, 2018 was organized by Department of Geography at Conference Centre, University of Delhi.

Seminar/Conferences Presentation

Shivani Arora presented a paper, “Unraveling E-commerce in India”, MTMI International Conference held in collaboration with DBMA, University of Maryland and Eastern Shore, USA, held in Virginia during September 22-23, 2017.

S. Varadharaj presented a paper, 'Reader and Beyond: An Introspective Study in the writings of Michael Crichton' in International Conference on "Introgating Disability, Studies: Literature, Culture, Performance", University of Delhi during 2018.

V.A.V. Raman presented a paper, 'Spatial Analysis of Mass Wasting Induced Surface Changes and Related Geo-indicators in Trans-Himalaya: A Study in Lower Pin Valley, Lahaul and Spiti' and “Impact of Recent Channel Dynamism on and Uses in the Inter-Fluvial Zones in Middle Ganga Plain”. 9th International Conference on "Geomorphology (ICG 2017) of the International Association of Geomorphologists (IAG)", New Delhi during 6 to 11 November, 2017.

Poonam Sharma presented a paper, 'Parks: The Green Engines for Sustainable Cities' in International Conference, Nordic Geographers Meeting, Stockholm, Sweden during 18 to 21 June 2017.

V.R. Sharma presented a paper, 'Pollution in River Yamuna and its Impact on Environment' in an International conference on Liveable Cities: Transforming Sustainability and its Challenges", 2018.

Rityusha Mani Tiwary presented a paper, 'A Strategic Analysis of China's Belt and Road initiative' in the International Roundtable on "Belt and Road Initiative", Centre for Eurasian and Russian Studies, Chinese Academy of Social Sciences, Beijing-China, 2017.

Shantesh Kumar Singh presented a paper, 'Emerging Policy of Global Health and Health Security in Post-Conflict Systems: A Critical Study' in an International Conference, organized by WISC at Taiwan National University in 2017.

Placement details

Number and percentage of Students placed:	145
Number of Companies visited for campus recruitment:	24

Library Development

Total Budget: Rs.16,42,500/-

Number of books and journals added: 2105

Internet facilities upgraded: Yes

Number of Faculty

Total number of Permanent faculty = 94

Total number of Ad-hoc faculty = 52

Financial Allocation and Utilization

Grant sanctioned: Rs.28,50,26,337/-

Grant Utilized: Rs.25,76,09,343/-

SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

Major Activities and Achievements

The college was ranked as 53rd in the Colleges category amongst the 1087 institutes in the National Institutional Ranking Framework (NIRF). It holds the overall score of 49.85 with a high score of 67.43 in the parameter Outreach and Inclusivity. The Silesian University, Faculty of Sciences and Philosophy, Opava, Czech Republic and college has agreed upon international faculty exchange program for the period of three years. College has got the approval to have Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME) -DI, New Delhi. The first UGC, DBT and CSEC sponsored National Faculty Development program on “Recent Trends in Applied Science Teaching (FDP-RTAST)”, was held from 21 – 27 July 2017. National Para-teaching Staff Skill Enhancement Workshop (PTSSEW 2017) from 15 to 21 December, 2017; jointly sponsored by IEEE Delhi chapter, UGC and DBT Star College Scheme.

Honors/distinctions

Dr. Payal Mago, Principal

- Awarded the Girl Centric Education and Training Award under World Women Summit 2018 organised by Women's Agency for Generating Employment on the occasion of the International Women's Day, 8 March 2018 along with 5 teachers (Dr. Ranjana Singh, Dr. Punita Saxena, Ms. Preeti Singhal, Dr. Jasjeet Kaur and Dr. Bimla Pawar) and 5 students (Tania Chopra, Anu Sardana, Vaishali Chhabra, Khushboo and Vatika Singh)
- Received 33rd Dr. S. Radha Krishnan Memorial National Teacher Award 2017 from Freelance Journalist & Writers of India on 3 September, 2017
- World Environment and Livelihood (WEAL) Award from World Clean Environment Summit organized by (NICER) on 5 – 6 June, 2017
- Received Lifetime Achievement Award from Women's Agency for Generating Employment presented on 8 March, 2017

Dr. Varsha Mehra, was conferred the Meritorious Teachers Award by the Govt. of NCT of Delhi, Delhi for the year 2017-18.

Students with Distinctions

Aayushi Kalra, B.Sc(H) Biomedical Sciences

Deepti Sharma, B.Sc (H) Computer Science

Honey Tyagi, B.Sc (H) Electronics

Kritika Agarwal, B.Sc (H) Food Technology

Roopal, B.Sc (H) Instrumentation

Publications (selected) Total no. - 48

Chaudhary, N., Mehra, V., Mago, P., Khatri, M. (2017) Antimycobacterial Potential of Indian Spices: A Review. International Journal of Pharmacognosy and Phytochemical Research, 9(8), 1127-1134.

Chawla, S. (2018) A novel approach to effective web information retrieval based on optimization using hybrid of fuzzy set, ant colony optimization and trust. *International Journal of Computer Engineering and Applications*, 12(1).

Kapoor, A. (2018) “Low-Resolution Image Recognition using Cloud Hopfield Neural Network.”, *International Journal Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing* (563), Springer. 2018.

Kaur, J. (2018) Oil red O reagent for Detection of Latent Fingermarks: A review. *Egyptian Journal of Forensic Sciences*, 8.

Mehra, V., Khatri, M., Mishra, S., Singh, N., Sharma, N., Goswami, R., Mehta, N., Samanth, N., Gaur, H., Jaiswal, A., Kothari, P., Chopra, P., Sarbhai, A., Singh, R., & Goel, S. (2018) Assessment of Anti-diabetic and Anti-oxidant activity of *Murraya Koenigii* extracts using in-vitro assays. *Journal of Biomedical and Therapeutic Sciences*, 5(1), 1-8.

Mehra, V., Khatri, M. (2018) Diabetes: The next epidemic? *International Journal of Life Sciences*, 6(2)

Negi, B., Poonan, P., Ansari, M. F., Kumar, D., Aggarwal, S., Singh, R., Azam, A., & Rawat, D. S. (2018) Synthesis, antimicrobial activity and docking studies of metronidazole-triazole-styryl hybrids. *European Journal of Medicinal Chemistry*, 150, 633-641

Saxena, P., Jain, S. (2017) Estimation of phenolic content, flavanoid content, antioxidant activity and alpha amylase inhibition activity of Pomegranate (*Punicagranatum*) and Kinnow (Hybrid of *Citrusdelicosa*) peels. *World Journal of Pharmaceutical Research*, 7(2), 817-826.

Singh, N., Kapoor, A. (2017) Lifecycle of Butterfly and True Nature of Things. *Bodhi-Path* 13, 27-29.

Yogesh Pratap, M. Kumar, Sneha Kabra, S. Haldar, R. S. Gupta and Mridula Gupta. (2017) Analytical Modeling of Gate-All-Around Junctionless Transistor based Biosensor for Detection of Neutral Biomolecule Species. *Journal of Computational Electronics*, 17 (1), 288-296.

Number of college teachers serving as Editor(s)/ Members of Editorial Board -3

Research Projects

SERB (DST) funded Project entitled “Modeling, Simulation and development of AlGaIn/GaN HEMT based lactic acid and Uric acid biosensor for clinical research” for Rs 28,60,990 (2017-2020)

SERB (DST) funded Project “Isolation and characterization of *Asaphotida indica* constituents for anti-mycobacterial activity against *Mycobacterium tuberculosis* in vitro and ex vivo within human macrophages” for Rs. 23,38,000 ; (2015- 2018).

Seminars Organized

Seminar on “Modern Science and Indian Culture” delivered by Dr. S. C. Goswami, Retd.. Professor, Dyal Singh College on 26 February, 2018.

Seminar on “Career Awareness and Emerging Trends in IT industry” delivered by Mr Vishal Isaac, Assistant Consultant at TCS iON Digital Hub at Chennai 16 February, 2018.

Seminar on “Career Counselling” delivered by Mr. Abhijit, IMS, October 10, 2017.

Seminar on “GST and IFRS” delivered by Kamal Garg, CA, fellow member of ICAI on 8 January, 2018.

Seminar on “Decoding the Budget” by Dr. Kumar Bijoy, Head, Department of Management Studies, SSCBS on, 13 February, 2018.

Seminar on “Relevance of Ethics in Modern Life” by Swami Chidrupanand Ji, Chinmaya Mission on 26 February, 2018.

Conferences/ Workshops organized

The first UGC, DBT and CSEC sponsored National Faculty Development program on “Recent Trends in Applied Science Teaching (FDP-RTAST)”, was conducted by the college from 21 to 27 July 2017.

One week Para teaching staff skill enhancement Workshop (PTSSEW) was jointly sponsored by IEEE Delhi chapter, UGC and DBT Star College Scheme from Dec 15th to 21st December, 2017.

Three- Day workshop on “Next Generation Sequencing Data Analysis” from in collaboration with Bio-Discovery Group from 5th – 7th July, 2017.

Two days workshop on Drug Discovery Technology: Computational approaches in drug discovery & design was organized by Department of Biomedical science in association with Bio discovery group 18 to 19 January, 2018.

A workshop entitled “Wonders of Science” was organized for students of government Schools of East Delhi on 17th - 18th May, 2017. Hands on exposure were given on practical aspects of basic physical, chemical and biological Sciences

Seminars/ Conferences Presentations

Sadhna Jain presented a paper, “Estimation of phenolic content, flavanoid content, antioxidant activity and alpha amylase inhibition activity of Pomegranate (*Punicagranatum*) and Kinnow (Hybrid of *citrus delicosa*) peels (Poster)”, 5th International Conference on Drug Discovery 2017, India held during 14-15 September, 2017.

Indu Arora presented a paper, 'Gold Nanoparticles Using Extracts Of Spilanthes Achmella Akarkarah' and attended a Workshop on Magnetic Resonance Imaging, Transmission Electron Microscopy, Gamma Scintigraphy, Confocal Microscopy in Conference-cum-Workshop on Molecular Imaging & Drug Discovery (MIDD-2018) organised by J H Institute of Molecular Medicine, School of Interdisciplinary Sciences & Technology, Jamia Hamdard, 26 to 27 March, 2018.

Jasjeet Kaur presented a paper, 'The Forgotten Indian Pioneers of Fingerprint Science' at the Conference on "Emergence of Modern Science in Colonial India", Indian National Science Academy, New Delhi held during 14 to 16 March, 2018.

Deepali Bajaj presented a paper, 'Identifying Requirements for Big Data Analytics and Mapping to Hadoop Tools' in 5th International Conference on Computing for Sustainable Global Development (INDIA COM 2018) conference, Bharti Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India during 14-16 March, 2018.

Amita Kapoor, presented a paper, “Impact of Artificial Intelligence on Business”, Digital Innovations, Transformation, and Society Conference 2018 (Digits 2018), jointly organised by Birla Institute of Management Technology (BIMTECH), India and University of Maryland, USA at India Habitat Centre, New Delhi, India on 13 to 14 January, 2018.

Amita Kapoor presented a paper, “Metta a pathway to Global Peace”, 17th Annual conference of Indian Society for Buddhist Studies, 2017.

Sneha Kabra presented a paper, 'Performance analysis of metalloid source/ drain GaAs FinFET for analog/RF applications' at IEEE 4th International Conference on circuits, devices and systems organised by Karunya University, Coimbatore from 16 to 17 March, 2018.

Punita Saxena presented a paper, 'Benchmarking State Road Transport Undertakings of India: A DEA-based stepwise approach' in the 9th International Conference on "Applied Operational Research", held at Chung Yuan Christian University, TAIWAN from 18-20 December, 2017.

Projes Roy presented a paper, “NFC and RFID Interoperability: Challenges and Opportunity in Libraries”, NCCDLSE-2018 National Conference on “Changing Digital Landscape in SMART Environment” Anasol University, Gurugram, Haryana, on 8 February, 2018.

Other Inter Institutional Collaborations

Robotics club was established in the college in collaboration with IIT Bombay's E-YANTRA Project in 2014-15 is running successfully till date.

The Education tree

FinX SSCBS

MarkIT SSCBS

Placement Detail

Number of students placed = 41(90%)

Number of companies visited for campus recruitment = 11

Extensions and Outreach Activities

The Department of food technology has organized an outreach activity on “Basic food handling and storage” for housekeeping and canteen staff on 26 May 2017 with an objective to make them aware about the importance of basic food handling, hygiene, storage and impact on health. A group of four students of M.Sc. (F) Forensic Science, Department of Anthropology, University of Delhi completed training of 5 weeks at Department of Instrument from 17 January to 20 February 2018. Digital Empowerment for Homemakers (DEH) programme was started in January 2017 at the College and presently running in its phase II. The objectives of this initiative are to digitally literate non working women of all age groups and enable them to acquire basic ICT skills. The department of Mathematics this year started a project called “Utthan” which means upliftment. The objective of this project is to encourage and help girls of economically weaker sections of the society to study Mathematics.

Library Developments

Books: Rs. 7,44,868.70

Journals : Rs. 950.00

Non-recurring : Rs.98,900.00

Number of Books added : 969

Faculty Strength:

Total number of faculty = 71

Financial Allocation and Utilization

Grant Sanctioned: Rs. 12,31,96,094/-

Grant utilized: Rs.13,50,19,244/-

Other Significant Information

Six new courses namely Bachelor of Management Studies, Bachelor of Business Administration FIA, B.A.(H) Psychology, B.Sc (H) Biochemistry, B.Sc.(H) Microbiology and B.Sc. (H) Statistics were started in academic session 2017-18. The college in association with CISCO systems is running CISCO Networking Academy since 2002. The Academy offers CCNA (Cisco Certified Network Associate) certification and various other exploratory courses. This year our academy won the “Best Performing Academy Exploratory Courses -2017” award for excellence in conducting IoT exploratory course. College collaborated with Translational Health Science and Technology Institute (THSTI), an Institute of the Department of Biotechnology, Government of India, under prestigious Science Setu Program, which acts as a bridge between research institutes and undergraduate colleges. College participated in the 14th National Youth Parliament Competition for Universities and Colleges by conducting a parliament session on 15th Sep 2017.

SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES

Major Activities and Achievements

The student placement has been highly successful with the highest package offered INR 17 Lakhs p.a. and average package being INR 6.3 lakhs p.a. SSCBS Innovation and Incubation Foundation (SIIF) has run 4 cohorts for evaluation of business ideas through a very stringent process, and has approved of 27 ideas for incubation. To incubatees, SIIF provides regular mentoring, progress reviews, networking with industry / entrepreneurs, funding support, forums, investors etc. The college organized a Start Up Fest, a first of its kind, that served as a platform for young entrepreneurs to exhibit their innovations to investors, NGOs and Start up facilitators. Faculty development through conferences and workshops has been enhanced. The Enactus SSCBS team were declared as the Enactus World Cup Champions 2017 and got the honor to share their achievement and meet The Honorable President of India, Shri Ram Nath Kovind.

Students with Distinctions

Ifra Hussain, BBS III secured First position in the college.

Ravtej Singh, BBA(FIA) III secured First position in the college.

Bhoomika Panwar, B.Sc. (H) III Computer science First position in the college.

Manish Kumar Bhardwaj, B.Tech C.S IV secured First position in the college.

Publication (selected)

Aggarwal, A., Chakaravarthy, V.T. Gupta, N. Sabharwal, Y. Sharma, S. Thakral, S. (2017) "Replica Placement on Bounded Treewidth Graphs", in Algorithms and Data Structures Symposium, WADS 2017, July 31-August 2, 2017, St. John's, NL, Canada, 13-24.

Gupta, S., Mittal, S., Gupta, T., Singhal, I., Khatri, B., Gupta, A. K., Kumar, N. (2017) Parallel quantum-inspired evolutionary algorithms for community detection in social networks. In Applied Soft Computing, Volume 61, 2017, Pages 331-353, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2017.07.035>.

Jaggi, C.K., Jain, R., Verma, M. (2018) Impact of demonetization on supply chain in Indian context, AIMS International Journal of Management, 12(1), 1-10. Kalsie, A., Arora, A. (2018). Analysis of Merger and Acquisition Deals of Major Indian Banks: An Event Based Study. *Effulgence*, 16(2), 82- 120

Kumar, N., Jaiswal, A. (2018) Effect of Varying Training Images on Performance of Face Recognition: A Study. *International Journal of Engineering Research in Computer Science and Engineering*, 5(2), 236-239.

Sushmita, "Retail Banking in India: A New Perspective", Research India Publications, ISBN 978-93-87374-42-3, 2018

Sushmita, Kumar, A., (2018) "The Trade-off between Behavioural Economics and Financial Literacy", AMAR: *An Inter-disciplinary Journal*, ISSN 23481323, 2018

Number of college teachers serving as editor(s), Member(s) of Editorial Board 02

Research Project

Dr Abhishek Tandon, project funded by ICSSR, MHRD (2018), A Study on Consumerism, Market Competition in Digital Era. for Rs 7,52,500/-

Seminars Organized

Scientific Computing using Python in cooperation with FOSSEE, IIT Mumbai, Jan 2018.

Programming with Python in cooperation with FOSSEE, IIT Mumbai, Jan 2018

Mr Kishore Garg Regional Manager, 3X3 Connect Microsoft Tools in Workshop by Microsoft under Project Saksham, 28-29 Nov 2017

Mr Sanjeet Kumar, Asstt Commissioner CGST & CXGST on GST, Jan 24, 2018

Conferences Organized

National Business Seminar- Convergence was organized on 16-17 Oct 2017.

International Conference on Information Technology and Knowledge Management (ICITKM-2017), 22-23 Dec 2017.

Raahat Sanitation Conference was organized on March 22, 2018.

Delhi University Model United Nations was organized on 23-25 March 2018.

Seminar/Conference Presentation

Ashima Arora presented a paper, 'Private Equity: An Analysis of PE Players in Few Indian Companies' in International Conference on Paradigm Shift in World Economies: Opportunities and Challenges held in 2017.

Sonika Thakral presented a paper, 'Replica Placement on Bounded Treewidth Graphs' in WADS 2017 held at St. John's, NL, Canada during 31 July 31 to 02 August, 2017.

Ashima Arora, presented a paper, 'When the economies jitters, bitcoin flutters : Evidence from the impact of macroeconomic factors on the returns of bitcoin' in International Conference on "Strategies in Volatile and Uncertain Environment for Emerging Markets" held at Delhi: IIT, Delhi during 14 to 15 July, 2017.

Ashima Arora, presented a paper, 'Impact of Corporate Governance on Financing Pattern of Outward Foreign Direct Investment by Indian Family Firms' in 3rd Annual Conference of International Corporate

Governance Society titled "Balancing Value Creation with Stakeholder Accountability" held at Rome, Italy: LUISS Business School, during September 2 to 3, 2017.

Dr Sonika Thakral, presented a talk on 'Women in Computing' at the Annual Event of ACM-W celebrations, organized by ABES Engineering College held on 28 Oct 2017

National/ International MoU signed

MoU with Indian companies/ Industry

BSE for running the FMAT (Financial Modeling and Algo Trading) course.

NSE for running the NCCMP (NSE Certified Capital Markets Professional) Course

Chartered Institute of Management Accountants (CIMA)

Placement Details

Number and percentage of students placed: 137 placed out of 187 registered (73.26% placed)

Number of companies visited for campus recruitment: 68

Extension and Outreach Activities

The Enactus chapter at the college is undertaking 3 social entrepreneurial projects- Project Raahat, Project Udaan and Project Khidki. Project Raahat works in the area of developing mechanism for sensitization and monitoring the usage and compliance of Govt norms in the Community toilet complex (CTC) in urban slums with the aim of eradicating open defecation. Project Udaan works in the area of ewaste management and digital literacy in villages. Project Khidki is a project working closely with Anganwadis in Delhi to tackle the problem of malnutrition among children. As part of the above initiatives the college team regularly works with Govt agencies, health and medical agencies and NGOs and conducts sensitization camps, hygiene camps, pregnancy and menstrual awareness camps, eye check camps and financial literacy camps in villages and urban slums.

Library Development

The total number of books in the library is 21,412. In addition, the library subscribes to 52 magazines and journals of national and international repute and 13 national and business newspapers. The library has access to electronic resources i.e. Electronic Journals, Reports, and Case Studies through Delhi University Library Network includes 02 Federated/Common Search Engines namely JCCC and Knimbus, 10 Reference & Citation Sources, 06 Bibliographic Sources, 02 Citation Analysis Resources namely, Scopus and Web of Science and other full text databases in the field of Management Studies and Computer Science etc. The library has an Institutional membership of Developing Library Network; N-LIST (National Library and Information Services Infrastructure for Scholarly Content) and NDL (National Digital Library). This year, the library added 671 textbooks and reference books for an outlay of ₹ 3,63,075/- , 52 periodicals for ₹ 1,42,004/- and 13 newspapers for ₹ 20,481/-. On the electronic front, the library spent ₹ 11,500/- and ₹ 5,900/- to subscribe to digital databases, DELNET and N-LIST respectively.

Faculty Strength

Total number of Permanent faculty = 35

Total number of Ad Hoc faculty = 11

Financial allocation and Utilization

Grant sanctioned Rs. 12,21,71,920.00/-

Grant utilized Rs. 10,34,45,477.00/-

Other significant Information

The college is in the process of seeking approval for introducing two new courses at the undergraduate level in BBA (Entrepreneurship) and B.Sc. (Operations Research). It has also been working at increasing the strength of intake for its B.Sc (Hons) Computer science course.

SHIVAJI COLLEGE

Major Activities and Achievements

Shivaji College, accredited with grade 'A' by NAAC and ranked among top 10 Science colleges by the survey conducted by India Today. The college champions the cause of gender sensitization and to continue the legacy, conferred the Jijabai Achievers Awards to women from various fields across India. Smt. Smriti Zubin Irani the then Hon'ble Minister of Information and Broadcasting & Minister of Textiles, presented the awards and released the book "The Change Makers" that chronicles the life journey of nine exceptional women with iconic vision and endurance. The Entrepreneurship Development Cell was launched by the college which works towards motivating students to be job creators and imparts entrepreneurial skills. The college has a unique academic audit committee which helps in evaluating performance and progress of the departments and carves a road map for growth. The faculty published 69 research papers in journals of repute and 18 books, contributed 15 chapters in various books.

Honors /Distinctions

The College was awarded "Green Campus Award" by Women's Agency for Generating Employment for its tireless efforts in this direction in 2017-18.

Dr. Shashi Nijhawan, Principal, Shivaji College was awarded the 'Girl Centric Tertiary Education and Training Award' by Women's Agency for Generating Employment on the occasion of the International Women's Day this year on March 8, 2018.

Dr. Shashi Nijhawan was conferred with "Best Indian Educationist Award" for contribution towards welfare of people by Friendship Forum on November 17, 2017.

Dr. Shashi Nijhawan received 'Environmental Education Promotion Award' from National Institute of Cleanliness and Research' (NICER).

Dr. Darshan Malik was conferred with "Bharat Vikas Award 2017": Towards working on 'Bioremediation' by Institute of Reliance at Bhubaneswar on November 19, 2017.

Dr Tejbir Rana was honoured with 'Meritorious Teacher Award' by Govt of NCT , Delhi with an award of Rs. One Lakh (2017-18).

Dr. Reetika Rana was awarded Academic Fellowship financed by Dutch Ministry of Foreign Affairs for a study programme on "Food Security in Urbanizing World" (September 4-15, 2017) at the Wageningen Centre for Development Innovation, The Netherlands.

Dr. Jyoti Sharma received "Sahitya Sarita Samman" during the 7th International Conference at Amrita Shergill Kala Kendra, Embassy of India, Budapest, Hungary by the Ambassador Mr. Rahul Chabra for International contribution in the field of language, literature and history of South Asia on June 7, 2017.

Dr. Khurshid Khan received the 'Scholarship in Indian Sufism' for creative activities to cultivate peace among all people in India by The Islamic Studies Association, New Delhi, on January 27, 2017.

Dr Rajinder Singh Successfully completed NCC Training Course at OTA, Kamptee (Nagpur) and got commissioned as Lieutenant. Also awarded with Director General's Baton and Gold Medal in Senior Division for overall excellent performance during the course.

Students with distinctions

Mohit Ballara B. A. Prog. 1st Yr and Yogesh Dagar, M.A. Hindi 1st Year received 1st prize in Inter College wrestling competition organized by Delhi University Sports Council.

Nishtha Sethi, student of B.A. (H) Economic secured 2nd Prize in Rendezvous with Policy and Governance at IIT Delhi and a cash prize of Rs. 2000.

Harkirat Kaur, student of B. Sc (H) Physics secured 1st position in National Graduate Physics Exam (NGPE) organized by All India Physics Teachers Association (AIPTT) in January, 2018.

Rohit Kumar Maurya, student of B.A. (H) Economics received Best Cadet Award in National Integration Camp held in Delhi in November, 2017 and awarded NCC 'C' Certificate completion in the year 2017-18.

Maneshwar Dixit, Ayush Ganguli and Rohit Soni students of B.Sc. (H) Biochemistry won Consolation prizes in Innovation research project presentation in the "Lab to Life: A Symposium on Translational Science" organized by the Biochemical Society of Department of Biochemistry, Sri Venkateswara College on the topic Use of "Nyctanthes arbor-tristis" for medicinal treatment on February 15-16, 2018

Total Publications

M. Yadav, D. Yadav *et al.* (2017) Spectrum of ENT Emergencies at a Tertiary Care India. *Journal of Medical Science and Clinical Research*. 05(11): 29833-29837.

Pandey, D. (2017) Amritlal Nagar krit yugavtar: Kathya ki Padtal aur Prasangikta. *International Journal of Academic Research and Development*. 2(3): 388-390

Singh, R. (2017) Demonetisation in India: Expectations and Effects so Far. *International Journal of Applied Research*. 3(6): 619-621.

Singh, M., Singh, S., Inamuddin & Asiri, A.M. (2017) IFT and friccohesity study of formulation, wetting, dewetting of liquid systems using oscosurvismeter. *Journal of Molecular liquids*. 244: 7-18

Malik, D. & Srivastava, A. (2017). Molecular characterization of fluorescent bacteria antagonistic against Turicum leaf blight. *Journal of Biotechnology and Crop Science*. 6(8): 82-85

Wardhan, R. & Nain, L. (2017) Milk Borne Pathogens: Isolation and Identification Health Risk to Population, Especially Young Ones. *International Journal of Applied and Physical Sciences*. 3(1):13-18.

Jaiswal, A. K., Giri, N. G., Jaiswal, A. K., Samal, N., Sharma, P., Millo, T. & Gupta, S. K. (2017) Forensic applications of IR/FTIR. *Journal of Forensic Chemistry and Toxicology*. 3(1): 39-68.

Priyanka, K., Trisandhya, P. and Mittal, R., (2018) Analysis of Exponential Product type Estimators with Embedded Imputation Techniques on Successive Occasions. *International Journal of Mathematics and Statistics*. 19(1): 19-40.

Kant, N., Kulshrestha, P., Singh, R., Mal, A., Kumar, S., Tehlan, M., Dwivedi, A., Mehra, R., Ahuja, R., Kaushik, S. & Ahmed, P. (2018) Prevalence of Brucellosis and awareness of its spread. *DU journal of Undergraduate Research and Innovations*. 3(1):43-49.

Mishra, A.K. and Mishra, P.K. (2018) Spatio-temporal Analysis of Demographic Characteristics: A Case Study of Samastipur District, India. *American Research Journal of Humanities and Social Sciences*. 4: 1-14.

Khan, K. (2017) Women in the malfuzat of the Early Chishti Shaikhs of Fourteenth Century Delhi. *BSS Journal of Social Work*. 8(1): 76-97.

Journals published by College

Chopra A., Rana R., Sharma P., Bhavnani., and Saxena P. The Change Makers, a Coffee Table Book: (2018), Shivaji College [ISBN 978-93-83848-43-0]

Research projects

Funded by SERB, 2016-19 (Rs. 19,08,100) ‘Design and Analysis of sensitive characteristics on successive occasions and their applications’ (MRP No. MR/2016/000455) [Dr. Kumari Priyanka]

Funded by ICSSR (Rs 6,00,000) ‘Indigenous Ecological Knowledge for Soil, Water and Nutrient Conservation in Sikkim Himalaya’ [Dr. Prabuddh Kumar Mishra]

Funded by University Grants Commission (Rs. 4,25,000) ‘Studies on Mercury Contamination of Surface and Ground Waters in and around Delhi and its Bioremediation’ MRP No. [ROMRP- NRCB-ENVI-2015-2016-38705][Dr. Vijay Kumar]

Funded by Department of Biotechnology, Government of India (Rs. 8,00,000) ‘To record the seasonal variation of invertebrate biodiversity in Riparian zone of the Yamuna River in Delhi-NCR region by using foldscope as a research tool’ [Dr. Sunita Gupta, Ms. Nimita Kant & Dr. Parul Kulshreshtha]

Seminars Organised

Prof. Kavita Sharma, Head & Dean, Department of Commerce, Delhi School of Economics, University of Delhi delivered a talk on “Green Jobs” March 15, 2018

Dr. Manu Anantapadma, Scientist, Texas Biomedical Research Institute, USA; delivered a talk on “Developing drugs to combat highly pathogenic viruses: lesson from anti Ebola virus drug development” February 28, 2018

Prof. M. R. Shenoy, Professor, IIT Delhi delivered a talk on “Semiconductor Opto Electronic Devices: A Perspective” on October 27, 2017

Prof. Makarand R. Paranjape, Professor, Centre for English Studies, Jawaharlal Nehru University delivered a talk on “Indo-Sino Relations: Social, Political and Cultural Ramifications” on October 10, 2017

Prof. K.S. Rao, Professor and Head, Department, Botany, University of Delhi, delivered a talk on “Climate Change: Past, Present and Future Implications” on September 1, 2017

Conferences Organised

CSIR Sponsored National Conference on Current & Future Perspectives in Nanotechnology: “Nanoworld-2018” on April 12-13, 2018.

Annual Gender Fair by Women Development Cell in collaboration with UN Women on the theme ‘Redefining Womanhood- Inspire, Empower, Act!’ on January 30-31, 2018

Two-day Faculty Development Program organized by Department of Hindi on “CBCS Pathyakram: adhyayan ke sandarbh evam paddhtiyan” on January 19-20, 2018

National Entrepreneurial Summit was organized by Entrepreneurial Development Cell on January 11-12, 2018

Seminars/Conferences Presentations

Dr. Darshan Malik, ‘Psychotherapy: Talking Therapy for Mental Illness’ in the International Conference entitled “Role of Arts, Culture, Humanities, Religion, Education, Ethics, Philosophy, Spirituality and Science for Holistic Societal Development” on March 19, 2017 at Jawaharlal Nehru University, Delhi.

Dr. Rashmi Wardhan, & Dr. V Prabhavati. ‘L asparaginase an antitumor agent: Identification from various microorganisms’ In Proceedings of 4th International Conference on Science and Arts of Holistic Health: Issues, Challenges, Opportunities, Prevention and Awareness, Holistic health 2017, organized by Krishi Sanskriti Publication and Dr. G. C. Mishra education foundation on February 25, 2017 in Jawaharlal Nehru University, Delhi.

Dr. Shilpa Jain. Extended release of Venlafaxine Hydrochloride using montmorillonite based excipients as a delivery vehicle” at the IIIrd International Conference on Clinical Sciences and Drug Discovery (CSDD 2017), Washington D.C, USA from November 9-11, 2017.

Dr. Leisangthem Gitarani Devi “Inside the Womb: Reading the ‘Home’ in the Short Stories by Contemporary Women Writers of Manipur” at the 10th International Convention of Asia Scholars held from July 20-23, 2017 at Chiang Mai, Thailand.

Dr. Darshan Pandey: International seminar titled: “Sant kaviyon ke kavya mein Samrasta ka swar” at Kendriya Hindi Sansthan Agra on January 27-28, 2018.

Dr. Ruchira Dhingra “Hindi Krishan Bhakti Kavya Par Purano Ka Prabhav” presented in two day International Seminar “Bhakti Kaleen Kavita Bhartiya Sanskriti Ke Vividh Aayam” organised by P.G.D.A.V College (Evening), University of Delhi on November 2-3, 2017.

Dr. Amarjiv Lochan ‘The Chams of Champa: Safeguarding the vestiges of Early Indic influenced Society in Vietnam at the International Seminar on “Joint Civilizational Heritage of Vietnam and India - Champa Civilization, and the Shared Links of Hinduism and Buddhism”, organised by the Govt of Republic of Vietnam held at Danang, Vietnam on August 25, 2017.

Dr. Parul Behl; ‘Analyst Recommendations and their corresponding impact on stock performance’, in the 10th Doctoral Thesis Conference organized by IBS Hyderabad on April 20-21, 2017.

Dr. Sonali Garg “Premashram as History: Postcolonial Perspectives on the Indian Peasant” at the National Conference on Postcolonialism: Indian Response and Transformation at Amity Law School, Noida, on August 22-23, 2017. The paper had been adjudged and awarded as the “Best Research Paper”.

Dr. Deepika Yadav: “Syndrome X: A Peril to Human Health”, during Global Cardio Diabetes Conclave Chennai 2017 held on September 29–October 1, 2017.

National/ International MOUS signed

MOU with Mahidol University, Thailand.

MOU with Centre for Health and Social Justice, Menengage, Delhi

MoU with Azad Foundation, Delhi

SOI with NITI Aayog, Govt of India.

MOU with Alliance India

MOU with FLO (FICCI Ladies Organization)

Placement Details

Number of students placed: 100 in companies and 167 for internship

Number of companies visited for campus recruitment: 30 for placement & 30 for internships

Extension & Outreach Activities

Leaders for Tomorrow" (LFT) unit of Shivaji College organized activities such as a plantation drive, a collection drive for collecting clothes, books etc., visit for compassion to distribute donated material to under privileged children, to distribute sweets to underprivileged people during the festivals of Diwali and Holi. The NCC team conducted a tree plantation drive and they pledged to maintain cleanliness under the rally Swachhata Pakhwada, to spread awareness in the neighborhood about the importance of cleanliness. The NSS volunteers organized various activities throughout the year such as providing better quality education for under privileged children, awareness Campaign against use of Plastic, ill-effects of alcoholism. The College has extended the best support to the campaign "Rally for Rivers". In this campaign, a nationwide plantation drive is being organized, in which they ask people to plant trees in a range of 1km area adjoining our main rivers. The NSS volunteers worked really hard to raise awareness and deliver this message to as many people as possible. To achieve this aim, the students first circulated the posters and requested people on social media to give a missed call on 8000980009; they then campaigned in the college and had a one-on-one interaction with people. To throw some light on the issue of "old age and old age homes", National Service Scheme, Shivaji College organized a screening of the Bengali documentary "Solitary Soul" on September 26, 2017 followed by an interactive session with the Movie director Mr. Sourav Sarkar. He discussed various factors due to which the old were not able to live with their kids and how the concept of old age homes is still seen as a negative in the society.

Library Development

Total budget allocated for library was Rs. 20,85,000 and 1894 books were added in this session.

Faculty Strength

Total number of Permanent faculty: 106

Total number of Ad-hoc faculty: 98

Financial allocation & Utilization

Grant Sanctioned: Rs. 48,98,77,330/-

Grant Utilized: Rs. 42,63,77,944/-

Other Significant Information

In the academic session of 2017-18, Shivaji College has achieved various milestones during its journey to success. With the objective of clean, green and pollution free campus, the College maintains a vehicle and smoke free campus, with a paper recycling unit, practices rainwater harvesting techniques, carries out vermicomposting, and also maintains a herbal garden with plants of medicinal value. The College has solar power panels (SPP) on the rooftop for the production of green energy and making the campus self-sufficient in power generation and reducing carbon footprint.

SHRI RAM COLLEGE OF COMMERCE

Major activities and achievements

In addition to the ongoing programmes, this year a value added lecture series titled 'Internal Quality Assurance Cell Faculty Lecture Series on Contemporary Topics' covering topics like Bitcoins and Data Analytics amongst others was initiated by the College. To expand the frontiers of research in the academic community, the College organised a Seven Day and a Two Day 'National Workshop on Research Methods' in November, 2017 and March 2018 respectively. A number of workshops, seminars and lectures for students as well as teaching and non-teaching staff were organized to broaden their horizons of learning.

The College also expanded its institutional social responsibility by undertaking several new extension activities and projects at state and national level. Similarly, twenty-two international programmes were organised by the Office of International Programmes of the College. Student athletes brought 79 Gold Medals, 54 Silver Medals and 23 bronze medals at various individual and team sports events held at University, National and International Level.

Honours/ Distinctions

Ranked Number 1 College for Commerce by “India Today Survey” on India's Best College 2018.

Ranked Number 1 College for Commerce by “The Week-Hansa Research Survey 2018” on Best Colleges in India.

Publications

Rustagi, R.P. (2017) *Fundamentals of Financial Management*. Delhi: Taxmann Publications.

Chadha, R & Chadha, S. (2018) *Corporate Laws*. New Delhi: Mayur Paperback

Ahuja, G., & Gupta, R. (2017) *Systematic Approach to Income Tax*. New Delhi: Flair Publications.

Deepashree. (2018). *Macroeconomics*. New Delhi: Scholar Tech Press.

Jawa, R., Kumar, H., & Athili, N. (2018) *E-Marketing* (2nd ed.). Delhi: Singhal Publications.

Kumar, Anil., et.al (2017) *Auditing & Corporate Governance*. Delhi: Taxmann Publications.

Thukral, J. K. (2018) *Linear Algebra*. New Delhi: Maximax Publishing House.

Prakash, S. (2017) *Principles of Marketing*. ISBN 978-93-272-2372-9.

Jain, V., & Taneja, R. (2018) *Entrepreneurship*. Delhi: Singhal Publication.

Phurvey, A.K. (2017) *Banking & Insurance*. New Delhi: A.K. Publications

Journals Published by the College

Business analyst: Bi-annual Research Journal

Strides: Students Research Journal

Number of college teachers serving as Editor(s) /Member(s) or Editorial Board: 14

Research Projects: 1 (Research cum Training Project)

Seminars Organized

Digital Workshop in collaboration with Ministry of Electronics, Govt. of India.

Lecture Series on “GST Implementation: Implications on Federal Fiscal Relations in India” in collaboration with Department of Economic Affairs, Ministry of Finance, Govt. of India.

Seven-day National Workshop on “Research Methods and Contemporary Economic Issues (November, 2017).

Two-day National Workshop on Research Methods (March, 2018).

Seven Faculty Lecture Series on Contemporary Issues organized by IQAC spread over January to April 2018.

Conferences Organized

National Symposium on Dimensions of Quality in Higher Education in Contemporary Times on November 11, 2017

GBO Global Business Summit 2017 on the theme of “Innovation for Sustainable Development” on April 22, 2017 at Regal Hall, The Lalit, New Delhi.

GBO Global Business Summit 2018 on the theme of "India: The Emerging Global Leader" on February 24, 2018 at Gulmohar Hall, India Habitat Centre, Lodhi Road, New Delhi.

Seminar/Conference Presentations:

Dr. Mallika Kumar participated as a Resource Person & Moderator for the Open forum on UN SDGs & Campus Cooperatives at The Global Youth Workshop organized by International Cooperative

Alliance(ICA) Youth Committee in partnership with European Union at Kuala Lumpur, Malaysia held on November 13, 2017.

Dr. Surya Prakash presented paper titled 'Sustainability of Business: A Marketing Perspective' at 4th International Conference organized by CMAI and Lyceum of the Philippines university, Manila, Philippines at Manila, Philippines held between February 2-4, 2017.

Dr. Surya Prakash presented paper titled 'Holistic Marketing: An Approach to Business Excellence and Growth' at the 5th International Conference organized by CMAI and Pegasus International College, Da Nang, Vietnam at Da Nang, Vietnam held on 25-27 January 2018.

Dr. Astha Dewan presented a paper titled 'E-business and its Impact on Supply Chain Management' at International Conference on Humanities and Social Sciences (ICHSS) 2017 organised by University of Peradeniya, Kandy, Sri Lanka on July 28-29, 2017.

Dr. Shikha Makkar received Best Paper Award for paper titled 'Development and Validation of a Spirituality Measurement Scale' presented at the Third International Research Conference organised by International Association of Research and Development Organization held on July 16, 2017.

Ms. Priyanka Aggarwal presented a paper titled 'CSR & Sustainability Reporting in India: A Comprehensive Study of Top Listed Companies' at International Conference on Research and Business Sustainability, jointly organized by IIT Roorkee, India, Sheffield Business School, UK and Waikato Management School, New Zealand held on December 16-17, 2017.

National / International MoUs Signed

Research, Consultancy and Training MoUs (For Faculty, Students and Admin): National Memorandum of Understanding signed with Sri Aurobindo College of Commerce and Management, Ludhiana, Punjab, affiliated to Panjab University, Chandigarh

International Memorandum of Understanding signed with University of Kelaniya, Colombo, Sri Lanka.

Institutional Partnership with Asia-Pacific Research and Training Network on Trade (ARTNeT), an initiative of the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP).

MoU signed SRCC-OIP and Harvard US India Initiative, Harvard College, USA.

Other Inter-Institutional Collaboration

UNESCAP, Thailand: Cultural

Ministry of Youth Affairs, India: Startups

Greenfit: Innovation

Australian National University, Australia: Educational

Melbourne Business School, Australia: Educational

University of British Columbia, Canada: Educational

University of Chicago: Educational

Students under Exchange Programme

Inbound: Organized 16 inbound programmes wherein students participated from Penn State University, University of Wolverhampton, Melbourne Business School, Hong Kong University, University of Wisconsin, Tsinghua University, Hague University, etc.

Outbound: Organized 6 outbound programmes wherein students went to Utrecht Business School (Netherlands), SRCC-Ministry of Youth Affairs Exchange Programmes 2017 (Portugal), BRICS Youth Summit 2017 (China), Indian Youth Delegation to China 2017, etc.

Placement Details

Number and percentage of students placed: 300

Number of Companies visited for campus

recruitment: 61

Extension and Outreach Work

Projects under Centre for Community Engagement-Vittshala, SRCC

Project Khushali (Sonapat, Haryana) for empowering rural communities

Project Sashakt (Rohini, Delhi) for empowering urban slum dwellers

Project Samarth (D.U., Delhi) for making rikshaw puller financially literate

Project Utthan (Kamla Nagar, Delhi) for making hawkers & vendors financially literate

Project Pahal (Himanchal Pradesh) for financial empowerment in hilly areas

Project Sahay (Pitampura, Delhi) for nurturing financial literacy in school children

Project Umeed (D.U., Delhi) for developing financial skills amongst Grade IV employees in University of Delhi

Project Uttara (Uttarakhand) for financial empowerment amongst rural communities

Projects under Connecting Dreams Foundation, SRCC

Project Sanjeevani (Delhi) for providing self-sustainability to women

Project Arpan (Delhi) for providing self-sustainability to incense makers

Projects under ENACTUS, SRCC

Project Farmers' Market (Haryana) for improving market distribution mechanisms

Project Asbah (A.C.Nagar, Delhi) for providing clean drinking water

Project Virasat (Amritsar) for providing self-sustainability to tatheras

Projects under National Service Scheme, SRCC

Project Sanskar (Delhi) for educating underprivileged students from slums

Project Vishwas (Delhi) for providing self-sustainability to differently abled

Library Development

For the academic year 2017-18, the SRCC Library has added 1546 books in the fields of business, economics, humanities and social sciences to its collection. The Library has also renewed the annual subscription to Prowess IQ, an interactive querying of the Prowess database maintained by the Centre for Monitoring Indian Economy (CMIE). A separate archive section was also created in the library to preserve and highlight the history of the College. The Library continues to employ the latest Radio Frequency Identification (RFID) and Online Public Access Catalog (OPAC) systems to ensure the best services for the students.

Faculty Strength

Total number of Permanent faculty = 60

Total number of Ad Hoc faculty = 68

Financial Allocation and Utilization

Grant Sanctioned:Rs. 28.37 Crores

Grant Utilized: Rs. 24.73 Crores

Other significant information: Highest package in Delhi University (Rs. 31 lakh offered to one of the student by EY-Parthenon).

SHYAM LAL COLLEGE**Major Activities and Achievements**

Under the public lecture series a lecture on “International Business as a Key Research Question for Management Scholars in the US: Challenges and Impact” was organized on 8 August, 2017. The

Commerce Association also organized One-Day Faculty Development Programme on E-filing of Income Tax Return-2 on Excel Utilities on 10 October 2017. IQAC took the pioneer initiative of organizing a one of its kind International Winter School on "Fostering Collaborative Innovations and Solutions for Sustainable Development" from March 3-7, 2018, in collaboration with TUAS, XAMK and University of Turku (Pori Unit), Finland. Dr. KushaTiwari participated as Co-investigator in the International Project funded by CIMO Finland and visited TUAS and XAMK, Finland for a period of two weeks in September 2017. For the first time we participated in the 68th Annual flower show held at University of Delhi and won the first prize in one of the categories.

Honours / Distinctions

Ranked 61 in the MHRD NIRF ranking of colleges in India. The College also received B+ grade in the first cycle of NAAC assessment and accreditation.

Hockey Team become Champion fourth time continuously of Inter College

Hockey Championship and made a history.

Kabaddi Team secured 2nd position in Inter College Kabaddi Championship 2017-2018.

Baseball Team secured 2nd position in Inter College Baseball Championship and 3rd position in Delhi State Baseball Championship 2017-2018.

Students with distinctions

Individual Achievements at National, University, Inter-College & State level:

Mr. Sachin Malik (B.A. Prog 2nd year)

Won Gold Medal in Junior National Judo Championship 2017-2018 in open weight category.

Selected for Delhi Judo Team to participate in National Judo Championship 2017-2018.

Selected for Delhi University Judo team in open weight category to participate in All India Inter-Varsity Judo Championship, 2017-18.

Won Gold Medal in open weight category in Inter College Judo Championship 2017-2018.

Won Silver Medal in below 81 kg weight category in Inter College Judo Championship 2017-18.

Mr. Mritunjay (B.Sc. Physical Science Ist year)

Selected for Delhi Netball Team to participate & Team Won Bronze Medal in All India Inter Zonal Netball Championship 2017-18.

Selected for Junior Delhi Netball Team to participate & Team Won Silver Medal in Junior Netball National Championship 2017-18.

Selected for Delhi Netball Team to participate in Senior National Netball Championship 2017-18.

Selected for Delhi University Netball team to participate in All India Inter-Varsity Netball Championship, 2017-18.

Ms. CheshtaChaudhary (B.Com (P))

Selected for Delhi University Aquatic Team to participate in 1M& 3M Spring Board Diving event in All India Inter –Varsity Aquatic Championship 2017-18

Selected for Delhi Aquatic team to participate in 3M Spring Board diving event in Senior National Aquatic Championship, 2017-18.

Won Silver medal in 3M Spring Board Diving events in Delhi State Aquatic Championship 2017-18.

Won Bronze medal in 1M Spring Board Diving event in Delhi State Aquatic Championship 2017-18.

Mr. Lalit Kumar (B.A.Hons. Hindi Ist year)

Selected for Delhi University Hockey team to participate in North Zone Inter-Varsity Hockey Championship, 2017-18.

Selected for Delhi Hockey Team to participate in Senior National Hockey Championship 2017-18.

Mr. Prashant (B.A. Programme IIIrd year)

Selected for Delhi University Hockey team to participate in North Zone Inter-Varsity Hockey Championship, 2017-18.

Selected for Delhi Hockey Team to participate in Senior National Hockey Championship 2017-18.

Publications

Kar, R.N. (2017) Mergers, Acquisitions and Corporate Restructuring: Strategies and Practices, *Taxmann's*, New Delhi, 2017.

Banik, Arindam, Barai, Munim K. and Suzuki, Yasushi (eds) (2017) "A Sustainable Business Model: Experiences of Indian Micro Enterprises". Towards A Common Future: Understanding Growth, Sustainability in the Asia-Pacific Region, *Palgrave (Macmillan)*, Singapore.

Banik, Arindam, Barai, Munim K. and Suzuki, Yasushi (eds) (2017) "India-Japan Cultural Distance on the Mottainai Ethics Towards A Common Future: Understanding Growth, Sustainability in the Asia-Pacific Region, *Palgrave (Macmillan)*, Singapore.

Indu Khatri, Arun Goyal, A.K. Singh, Narendra Singh, Man Mohan (2017) "Photoionization of Cl-like Ni XII using relativistic R-matrix close-coupling method" *Canadian Journal of Physics*, 95(11): 1136-1141

Kumar, Sanjeev (2017) "Cultural Stereotypes and Household Behaviour for Girl Child Labour in India" *Journal of Advances and Scholarly Researches in Allied Education* Vol. XIV, Issue No. 1

Tiwari, Kusha. (2018) Critical Perspectives on Toni Morrison. Delhi: *Pencraft International*, 2018.

Kusha Tiwari (2018) Narrative of Liberation: Reading Nadine Gordimer's Post-apartheid Fiction. Delhi: *Research Press India*.

Kusha Tiwari. (2017) "Gandhian Thought and the Gendered Nationalism". *The Quest* 31(2)

Ruchira Gupta (2017) Book Review of River of Fleshed in the December issue of ANIYAJAA *Indian Journal of Women and Social Change* SAGE

Kumbhar, Sitaram (2017) Democracy Deprivation and Rights: Mahatma Gandhi National Rural Employment Guarantee Act, Public Distribution System and Poverty Alleviation in India, *Scholar Publishing House, Delhi*: ISBN:978-81-932035-4-5.

Kumar, Sanjeev. (2017). "Cultural Stereotypes and Household Behaviour for Girl Child Labour in India" *Journal of Advances and Scholarly Researches in Allied Education* Vol. XIV, 1, ISSN 2230-7540.

Kumbhar, Sitaram. (2017). Democracy Deprivation and Rights: Mahatma Gandhi National Rural Employment Guarantee Act, Public Distribution System and Poverty Alleviation in India, *Scholar Publishing House, Delhi*: ISBN:978-81-932035-4-5.

Research Projects

The College has a major International Project on "Responsible Business Professionals For Finland and India Trade" (1st September 2016 – 31st August 2018) funded by The Center for International Mobility (CIMO), Finland with Prof. Rabi Narayan Kar as Project Partner and Dr. Kusha Tiwari as Co-Investigator. The project is collaboration between three universities from Finland XAMK, TUAS, Pori School of Economics and Shyam Lal College

Seminars Organized

Department of English organized a Virtual Lecture "Meet the Poet" where Scottish poet Fiona M Meyrick and Crime Fiction Writer Denzil Meyrick shared their experiences with the students.

The Department of history organized a one day seminar on 26 September, 2017 on "Historical perspective of Delhi".

The Department of history organized ICSSR sponsored a two day national seminar on "The Holy City of Banaras through the ages" on 12-13 March, 2018.

One-day seminar on "Information Security and Understanding Open Source Software Evolution" was organized on 9 October, 2017 by Department of Mathematics.

The Department Physics organized a lecture on "Laser Driven Fusion" by eminent professor V.K. Tripathi, Professor, IIT, Delhi on Feb 1st, 2018.

Department of Chemistry organized lectures on “Carbohydrates: Applications as Drug Carriers by Prof. (Dr.) Ashok Kumar Prasad, University of Delhi and “Green Chemistry by Prof. (Dr.) Rakesh Kumar Sharma, University of Delhi were by on 21 February 2018

Conférences organized / attended

Conférences organized / attended (needs editing), plz reduce the content

Department of Political Science in collaboration with an institute of world repute, Nehru Memorial Museum and Library (NMML) organized the International Conference on “India’s Ascendancy in the Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities”, on 26-27 September, 2017.

The Department of English organized one day National Conference on "A Cultural Perspective: Journey of Narratives and Narrativization of Journey" on 20th April, 2018.

IQAC of the College organized two day International Conference on “Developing Countries and Sustainable Development: Reconnecting Past with Present” on 5-6 March, 2018 as part of one week International Winter School on “Fostering Collaborative Innovations and Solutions for Sustainable Development” from 3-7 March, 2018 in collaboration with Turku University of Applied Sciences, South Eastern Finland University of Applied Sciences and Pori School of Economics, Finland.

IQAC of the college organized an International Workshop I on "Entrepreneurship in Emerging Economies: The Path Ahead" on 3 March, 2018 and Workshop II on "International Experiences of Skill Development and its Adoption" on 7 March, 2018 in collaboration with TUAS, XAMK and University of Turku (Pori Unit), Finland.

Department of Political Science in collaboration with an institute of world repute, Nehru Memorial Museum and Library (NMML), New Delhi organized an International Conference on “India’s Ascendancy in the Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities” on 26-27 September, 2017.

Seminar/Conference Presentations

Prof. Rabi Narayan Kar presented a paper titled “Towards Developing an Accessible Education System for CWSN: The Road Ahead...” in the National Conference, National University of Educational Planning and Administration, New Delhi in November, 2017

Prof. Rabi Narayan Kar delivered a lecture on “Advances in Mergers and Acquisitions”, IMI Kolkata, Nov, 2017

Prof. Rabi Narayan Kar contributed as Plenary Speaker in the International Conference on *Institutional Excellence for Economic Growth* at P.G Department of Commerce, Utkal University in January, 2018

Prof Rabi Narayan Kar serves as a resource person in the International Conference on *Innovation and Entrepreneurship for Sustainable Development* at P.G Department of Commerce, Utkal University in January, 2018.

Prof. Rabi Narayan Kar serves as a panel speaker in Seminar on *Make in India: Creating and Enabling Environment for Entrepreneurs* at Indian Achiever’s Forum, India Habitat Centre, February 2018

Prof. Rabi Narayan Kar serves as a panel speaker at National Conference on *Emerging Business Practices* at IMS, FMS Banaras Hindu University, April 2018.

Prof. Rabi Narayan Kar serves as a visiting Professor with TUAS, Finland from 2016-18

Dr. Monika Goyal presented paper “Chaos based image encryption technique using extended fractional Fourier transform” in Multinational Enterprises and Sustainable Development International Conference, MESD’17, Atlanta, Georgia, U.S. December 7-9, 2017.

Mr. Subodh presented a paper titled “Repeated restricted bursts error correcting linear codes over $GF(q); q > 2$ ” in a national conference on “Analysis and its Applications” during December 9-11, 2017 at Dyal Singh College, University of Delhi.

Dr. Kusha Tiwari gave invited lectures on “Cross-cultural Communication: Issues and Challenges” at South Eastern Finland University of Applied Sciences, Finland on 19/09/17 and 21/09/17. Dr. Tiwari has been visiting faculty to XAMK and TUAS, Finland under CIMO funded International Project and Exchange programme on “Responsible Business Professionals: Finland-India Trade” in September, 2017.

Dr. Kusha Tiwari delivered an invited lecture on “Sustainable Entrepreneurship in Arts and Crafts Industry in India” in the International Conference *Innovation & Entrepreneurship for Sustainable Development*, Utkal University on 8-9 March, 2018.

National/International MoUs Signed with Indian/Foreign Universities with Indian / Foreign Companies

The College successfully arranged the academic exchange programme with three universities from Finland - Turku School of Economics/Pori Unit (University of Turku), South Eastern Finland University of Applied Sciences (XAMK), Turku University of Applied Sciences (Coordinator), Finland based on the project "Responsible Business Professional For Finland and India Trade" (1 September 2016 – 31 August 2018) funded by The Center for International Mobility (CIMO), Finland.

Student under Exchange Programme

Four of SLC students Mr. Angad Anand and Mr. Abhishek Beri from B.Com (Hons) 3rd Year and Ms. Shreya Upadhyaya and Ms. Aditi Thakur from English (Hons) 3rd Year have visited XAMK and TUAS, Finland for the academic exchange programme under the major International project "Responsible Business Professional for Finland and India Trade" funded by CIMO, Finland for a period of one month in September, 2017.

Placement Details

Number of students placed:	140
Number of Companies/visited for campus recruitment:	11

Extension and Outreach Activities

Total of 9 Number of NCC camps organized in the surrounding areas. 75 people enrolled and 75 students worked in the camps. Total 99 hrs were dedicated to these camps

Library Development

Total Books Purchased in 2017-18:	649
Total amount spend:	Rs. 360,078
No. of Journals/Magazines/Periodical:	40

Number of faculty Permanent / Temporary / Ad hoc:

Total number of Permanent faculty:	65
Total number of Ad-hoc faculty:	59

Financial Allocation and Utilization 2017-18 (in Rs.):

Grant sanction :	Rs. 2,12,100,000
Grant Utilized:	Rs. 2,13,977,776

Any other significant information:

The college has been participating with full vigour in national programmes such as 'Skill India' and 'Digital India'. A Skill Development Committee has been set up in the College and it has organized activities for this purpose ranging from one day workshops to one month programmes for computer literacy. The College has also been organizing programmes for women development and gender sensitization under an active Women Development Cell. Interactive lectures by experts were organized to mark the occasions.

SHYAM LAL COLLEGE (EVENING)

Major Activities and Achievements

The College had the NAAC Peer Team visit on 22nd and 23rd September, 2017 for the first cycle of assessment and accreditation. The College has been successful in achieving B+ Grade. The College also got ISO 9001:2015 Accreditation by American Board of Accreditation Services.

Journals published by the College

'Aspire', an International Journal of Commerce and Management (ISSN: 2394-0484 (Print), 2394-6601 (Online))

Other Publications

Singh, Anil Kumar (2017) "Prevalence and Socio-Demographic Co-relates of Alcohol Consumption in Five States of India". *Drug & Alcohol Dependence* ISSN: 0376-8716.

Bhardwaj, Ritesh (2017) "Dr. Ambedkar: One Man, Multiple Facets", Edited Book, Alankar Publishing House, ISBN: 978-93-86817-00-6.

Bhardwaj, Ritesh (2017) "Dr. Ambedkar: Ek Vyaktitva, Bahupakshiya Aayaam", Edited Book, Apple Publishing House, ISBN: 978-93-86817-01-3.

Bhardwaj, Ritesh (2017) "Lok Seva Aur Svashasan", "Lok Prashashan", Published by IIPA, ISSN: 0019-5561, Year 9, Vol.2.

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board:

05

Seminars Organized

The Department of History organized a National Seminar on "History and Heritage of Sindh" in collaboration with NCPSL, New Delhi on 15 February 2018.

IQAC–SLCE organised a Multi-Disciplinary International Seminar on "Movements, Literature and Society : New Perspectives" on 17 March 2018.

Seminars / Conferences Presentation

Dr. Anil Kumar Rai, delivered a lecture in a National Seminar on "Creating a Unified Foundation for the Sustainable Development: Education and Empowerment" organized by Govt. Roza P.G. College, Rampur (U.P.) on 27-28 January 2018.

Dr. Rai delivered a lecture in 'Panel Discussion' and presented a paper in one-day International Seminar on "Movement, Literature and Society: New Perspectives" jointly organized by SLC (E) and IQAC of SLC (E) on 17 March 2018.

Dr. Ramesh Kumar presented a paper on Satyagrah Syndrome Delhi in a two day National seminar on Revisiting Champaran: Challenges of Satyagrah in 21st century organized by Zakir Hussain college on 17 October 2017.

Dr. Ramesh Kumar presented a paper on Conflict Resolution: A Gandhian Context in a two day National seminar on Peaceful Resolution of Conflict and Gandhi organized by GSDS and Central University of Himachal Pradesh, Dharamshala on 4 Jan 2018.

Dr. D.N. Singh presented a research paper entitled "Sindh and Sufism" in the National Seminar on "History and Heritage of Sindh" organized by Department of History, Shyam Lal College (Eve.), Delhi University on 15 February 2018.

Dr. Stuti Gupta presented a paper on "Blockchain Technology: Application in Indian Banking Sector" in an International Conference held on 5 Jan 2018 on the broad theme "Managing Digital Revolution: Inventing Future India". Her paper has been awarded as the Best paper in the Technical Session and has been selected for publication in International Journal "Delhi Business Review" which is listed in UGC approved List 1, CABELL'S Directory, USA, Index Copernicus, ProQuest, The Indian Journal Of Commerce, EBSCO.

Dr. Suresh Kumar presented a paper on "Practice of Performance Appraisal Adopted by Banking Sector in India" in a National Seminar organized by Department of Commerce, Kurukshetra University, Kurukshetra on 8 March, 2018.

Dr. Aditya P. Tripathi, presented a Research paper titled 'Consumer Perception towards On-line Shopping: A Study of Indian Perspective (With Special Reference to Delhi)' at 6th Business & Management Conference, organized by the International Institute of Social and Economic Sciences with Czech Technical University from 27-30 June 2017 at Geneva, Switzerland.

Sh. Kamlesh Attri presented a paper on Development of ISM Linkages in Himalayan Tourism Industry, 28-30 April 2017 in the International Conference organized by Centre for Mountain Tourism and Hospitality Studies, Hemavati Nandan Bahuguna Garhwal University.

Sh. Kamlesh Attri presented a paper on Development of ISM Linkages in Himalayan Tourism Industry, 28-30 April 2017 in the International Conference organized by Centre for Mountain Tourism and Hospitality Studies, Hemavati Nandan Bahuguna Garhwal University.

Dr. Ritesh Bhardwaj presented a paper on Dr. Ambedkar and Critical Analysis of Indian Democracy, at National Seminar of Zakir Hussain College (Eve.), University of Delhi, 22nd March, 2017

Placement Details

Number and percentage of students placed:	65
Number of Companies visited for campus recruitment:	10

Library Development

Our Library has a rich collection of over 50,049 books covering an array of different disciplines. It subscribes 14 Hindi & English Newspapers, 55 magazines and journals. E-resource facility is also available through which students and teachers can access the world's best databases, DULS, E-Journals, E-books and Reports. Our library is automated and ensures the availability of current titles by consulting publishers', catalogue, book reviews and publisher websites. Open access facilities to students and staff are available on ground floor and upper library building. The library is computerized with bar coded books and membership cards. Xerox facility is also available for the staff members. The existing ceiling of the number of copies of a title to be purchased has been increased from five to twenty in view of new syllabi. The new arrivals are duly notified and prominently displayed.

Faculty Strength

Total number of Permanent faculty:	48
Total number of Ad-hoc faculty :	28

Financial Allocation and Utilization 2017-18 (in Rs.):

Grant Sanction :	Rs. 1,85,561,000/-
Grant Utilized:	Rs. 1,45,525,000/-

SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN**Major Activities and Achievements**

Four teachers were awarded Doctor of Philosophy. The college had a very productive year in terms of the research presented and published by the faculty members. A total number of 16 books and 4 book chapters were published. More than 60 research articles were also published in various reputed national and international journals. More than 30 papers were presented at various seminars, workshops and conferences. Two departments namely Department of Education and Department of Computer Science had organized two international conferences. The college NSS and NCC units were proactive in organizing and participating various activities. Our college organized various sports events such as Kho-Kho trials (Men and Women) for Centralized Admission Process, Senior National Hockey Team Camp (W), Selection Camp for Inter University Baseball Team, etc. the college also won State Level Kabbaddi tournament held at Sarita Vihar, Inter-College Kho-Kho tournament held at SPM College and Bharti Cup held at Bharti College.

Outstanding Honours / Distinctions

Dr. Avanish Kumar, Dr. Kaushalya Bajpayee, Dr. Nirmala Shah, Dr. Supriya Sinha were awarded Doctor of Philosophy

Dr. Amna Mirza from the Dept. of Pol. Science received three prestigious awards namely Certificate & Award of Appreciation by All Ladies Leagues at Women Economic Forum on May 5, 2017, Certificate & Award of Appreciation by CD foundation and ONGC on September 5, 2017, and Certificate & Award of Appreciation by SHE- Self Help Enmasse, March 2017.

Dr. Pooja Vashisth was honored Best Teacher Award 2017 by Govt. of NCT, Delhi.

Dr. Priti Rai received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

Dr. Sadhna Sharma received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

Dr. Urmil Vats received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

Students with distinctions

Asmita Narang from B.A. (Hons.) App. Psychology II Year got 1st Position in DU

Sakshi Gulati from B.A. (Hons.) App. Psychology II Year got 2nd Position in DU

Roshni Jadon from B.A. (Hons.) App. Psychology III Year got 2nd Position in DU

Publications: Total Number – Books: 16; Book Chapters: 4; Journal Articles: 60

Bala, R. (2017) The Changing Perspective of Ethnic Diversity and Conflict: A Study of North East India. Gadde Omprasad & Amit Kumar Gupta (eds.). *India's Act East Policy through Northeast: Opportunities and Challenges*. Delhi: Mittal Publication, pp. 121-137.

Chenika, U. & Mirza, A. (eds.) (2017) Rediscovering Indira Today. New Delhi: Swaraj Prakashan.

Kumar, Nita. N. (2018) Literary Aesthetics and Food. A Critique of *The Poisoned Bread*. *Literary Perspectives*, Vol.13, No.1.

Mirza, A. (2018) Contouring Global Politics, New Delhi: VLMS.

Rathee, P. (2017). Semantics for Delay-Tolerant Network (DTN). Karam Veer Arya, Robin Singh Bhadoria & Narendra S. Chaudhari (eds.). *Emerging Technologies in Wireless Area Network: Principle, Paradigm and Performance*. Singapore: Springer, pp. 101-123.

Shivhare, M. (2018). Yoga: Atma-Anubhuti Ka Ek Marg. New Delhi: Shivalik Prakashan.

Bhatia, S. & Bhardwaj, G. (2017) Determinants of Women Empowerment: An Empirical Inquiry. *Indian Journal of Psychology and Education*, (IJPE), Vol.No. 7(1), pp. 7-18.

Thareja, R. (2017) Python Programing Using Problem Solving Approach. New Delhi: Oxford University Press.

Wadhwa, T. (2017) Guidance and Counselling for Children and Adolescent in Schools. New Delhi: Sage Publication.

Kapur, V. (2018) Understanding Constructivism in the Second Language Learning Context. *Scholarly Research Journal for Humanity Science and English Language*. Vol. 5/25. Online ISSN 2348-3083, SJ pp.7061-7080.

Research Projects

Mr. Sanjiv Kumar. Status of Reservation Policy: A Study of Higher Educational Institutions in Bihar. ICSSR. 8 laks

Seminars Organised

SPMC organised Annual Lecture Series on 'Gender, Sensitization, Equality and Women Empowerment: Continuity and Change' by Kamla Bhasin on 27 March 2018.

Department of Commerce organized a seminar on 'Investing Stock Market' on 18 September 2017. Mr. Varun Malhotra, Director, Edge Institute of Finance Studies Pvt. Ltd. And Mr. Naresh Pandey, Vice President, Sales and BD, Share India Securities Ltd. were the key speakers.

Department of Philosophy organised a talk on 'Law for Common Good and Obligations to Obey the Law'. Shri Sanjay K. Chadha, Supreme Court Advocate delivered the talk.

Department of Mathematics initiated lecture series on 'the Fundamentals of Mathematics'. The inaugural lecture was delivered by Prof. Ravichandaran, Head, Dept. of Mathematics, University of Delhi.

Department of Economic organized a talk on 'Goods and Service Tax' by C.A. Rajender Arora on 20 September 2017.

Department of Philosophy organized a lecture on 'Indian Sources of Philosophical Counselling' sponsored by Indian Council of Philosophical Research on 16 March 2018.

Conférences organized / attended

Department of Computer Science organized an International Conference on 'Applications of Computing and Communication Technologies – ICACCT' on 9-10 March 2018.

Department of Education organised Fourth Annual Conference on 'Aligning Education Systems to the Challenges of the Future' on 8-10 November 2017.

Seminar/Conferences Presentations

Dr. Chayanika Uniyal and Dr. Nirmala Shah co-presented a paper titled “Women Participation in Politics of South Asia: A Case Study of India” in the International Seminar on Governance, Human Rights and Regional Cooperation in South Asia: Opportunities and Challenges of Globalization held on 19-20 April 2017 at Jamia Millia Islamia University.

Jaya Gera, Harmeet Kaur co-presented and published a paper on “Effect of Social Media Connectivity on Success of Crowdfunding Campaigns” in the Proceedings of 5th International conference on ITQM - 2017, Procedia Computer Science, 2017, Vol. 122, pp 767-774.

Ms. Manshi Handa presented a paper on ‘Literacy in India: Issues, Challenges and Solutions’ at *International Literacy Day 2017* program organised by Indian Federation of United Nations Associations on 11 September 2017.

Dr. Sudhipta Ghose presented a paper on ‘Challenges of Teaching Science in Inclusive Schools’ at the International Association of Special Education (IASE) in Perth, Australia, 2017.

Pardeep Kumar presented a paper in a National Seminar on ‘Recent Innovations in Chemical Science and Environment Technology’ organized by Sri Aurobindo College, University of Delhi held on 3-4 March 2017.

Priyanka Rathee presented a paper on ‘Performance Analysis of IEEE 802.11P Using Continuous Markov Chain in VANETs’ in International Conference on Intelligent Computing, Instrumentation and Control Technology, 2017.

Dr. Ritu Bhagat presented a paper on ‘Gandhi and Women’s Movement in India’ in the International Seminar on Gender Sensitization, Equality and Women Empowerment organized by Rajiv Gandhi Study Circle, Delhi Unit on 29 January 2018.

Dr. Urmil Vats delivered a guest lecture on ‘Self-Management’ in Maharaja Agrasen Institute of Technology, CGSIU, Delhi in 2017.

National/International MoUs Signed

A MoU was signed on 3rd March 2018 with the Yuva & Sewa Foundation- an NGO which runs various programs to inculcate and promote human values and spirit among students and teachers by motivating them to serve the nation and to help and protect the environment. The co-operation will be in the following areas

Other Inter-Institutional Collaboration

The NSS unit of Shyama Prasad Mukherjee College has a tie-up with NGO Shubhakshika Educational society, Block-J, Sec-16, Rohini, Delhi. Student volunteers numbering thirteen (13) have helped the children of shelter home over a period of 4 months (from Jan to April 2018) in a number of activities such as Cancer Drive, Holi Color Making, Teaching, Promotional Discussion, Annual Day Preparation, Sale, Assistance in making short film on open shelter, etc.

Our college also collaborates with Delhi Police and Civil Defense Authorities for self -defense training programs for the students and disaster management workshops respectively. In addition, the college also collaborates with INTERN THEROY and INTERNSHALA for internships of our students.

Placement Details

Number of students placed:	137
Number of Companies/ Industries/ Institution coming for campus recruitment:	8
Number of Repeat Recruiters:	2 (GENPACT).

Extension and Outreach Activities

ECI in collaboration with NSS-SPM Unit started voter registration drive for two days. About 250 forms were distributed and filled. NSS unit in collaboration with NASSCOM organised an event for awareness about technology and in association with Central Vigilance Commission observed vigilance week from 30th Oct to 4th Nov 2017. A pledge of integrity was taken by students of the college under the leadership of public servants. NSS unit of the college also initiated each one teach one programme to educate children of economically weaker sections basics of English, Hindi and Maths. NSS initiated each one teach one

programme to educate children of economically weaker sections basics of English, Hindi and Maths. Volunteers educate children from economically weaker sections of their locality on weekdays and weekends alike.

Used and unused books were donated by the students and employees of the college. The books are then distributed to the needy people in a book donation drive on 4-16 December 2017. Students and employees volunteers also donated cloth for those who are in needs on 13-16 February 2018

Family Council Center of the college provides counseling, referral and rehabilitation services to needy neighbours as part of community outreach.

Library Development

Our library is fully computerized with a database of 77016 books. It has a rich collection of books on various disciplines. It subscribes 78 periodicals including journals and magazines for general reading. The information centre in the library has 25 computers with internet facility for accessing e-resources. Login passwords are also provided to all members for free access to more than 6000 journals, e-database available through UGC-INFONET. The library has a unique braille books collection. Recorders and laptops with special software are issued to differently-abled students for the entire duration of their courses.

Total Budget: 1262500

Number of Books added: 1499

Total no. of books: 77016

Total Journals and Magazines: 78

Faculty Strength

Total number of Permanent faculty: 84

Total number of Ad-hoc faculty: 81

Financial Allocation and Utilization 2017-18:

UGC Grant sanction : Rs. 2,28,038,569/-

Additional grant from Delhi Administration: Rs. 29,62,000/-

Other Significant Information

SPMC sports team brought many accolades and laurels to the college in various sports competitions held at national, state and university level. SPMC organised Kho-Kho trials (Men and Women) for Centralised Admission Process, University of Delhi in June –July 2017. The college also organised inter-college Kho-Kho (W) tournament, Inter-College Baseball (W) tournament, senior national hockey team camp (W) and another camp for the selection of Inter University Baseball Team.

Kabbaddi team of the college won State Level Kabbaddi tournament held on December 22-24, 2017 at Sarita Vihar, Delhi. SPMC also won Kho-Kho tournament held on November 6-11, 2017 at SPM College and Bharti Cup held on January 17-19, 2018 at Bharti College. Miss Shivani and Anjali represented University of Delhi in Inter University Kabaddi Tournament held at MDU, Rhotak on November 19-22, 2017. The college was conferred the 'Best Managed Green Campus Award' on the occasion of the 38th World Management Congress, held on December 21-22, 2017. The college was awarded 'The Golden Jubilee Year Cup' for the best artistic floral display in Eastern and Western style on the 66th Annual Flower Show, University of Delhi held on February 23, 2018. The college also won 'The Laxman Sarin Cup No. 3, for the floral arrangement with wild flowers.

SRI AUROBINDO COLLEGE

Major Activities and Achievement

Beside academics, the various departments in the college organize their annual two day activity programme open for students of the college and also students from other colleges of University of Delhi. The literary society of the college organizes workshops and competitions for the students, like-wise the other societies such as Aakraya (Commerce), Aranyan (Botany) are active throughout the year. The college has also nine

cultural societies exhibiting student's talent in Art, music, dance, painting and photography. The college organized its annual cultural festival Mehak 2017-18 in February 2018. More than 25 colleges from University of Delhi participated. The college societies have won prizes all over the country including AIIMS Delhi and Various IITs. Programmes such as Swatch Bharat Abhiyaan, Save Environment, Blood donation camps, Swatch Bharat Internship are encouraged throughout. Students participate enthusiastically.

Honours/Distinctions

Dr. Manju M. Gupta elected as Vice President of International Symbiosis Society, USA

Publications

AshwaniKumar, A.K. Verma. (2018) "Comparative performance of some polynomial based lowpass filters for microwave/digital transmission applications", *International Journal of Electronics Taylor & Francis*, pp.1-23, <https://doi.org/10.1080/00207217.2018.1494338>

Srivastava, Ashwani Kumar, B.K Kanaujia, S.Dwari, Sachin Kumar (2018) "Multiband Integrated Wideband Antenna for Bluetooth/WLAN Applications" *AEU - International Journal of Electronics and Communications* Volume 89, Pages 77-84

Kunal Srivastava, Ashwani Kumar, B. K. Kanaujia and S. Dwari, "Integrated Amateur Band and Ultra-Wide Band Monopole Antenna with Multiple Band-Notched", *International Journal of Electronics*, Taylor & Francis, DOI: 10.1080/00207217.2017.1382013,2017

Kunal Srivastava, Ashwani Kumar, B.K Kanaujia, S.Dwari, A.K Verma, K.P Esselle, Raj Mittra" (2017) Integrated GSM-UWB Fibonacci-type Antennas with Single, Dual and Triple Notched Bands" *IET Microwave and Antenna Propagation*,doi: 10.1049/iet-map.2017.0074.

Kumar, M., Agrawal, T. J., & Sehgal, S. (2017). Domestic and International Information Linkages for Indian Commodities Market in the Pre-and Post-CTT Periods. *Metamorphosis*, 16(2), 75-91.

Nayyar, R. (2018)Advancing research on the determinants of Indian MNEs: the role of sub-national institutions. *International Journal of Emerging Markets*, 13(3), 536-556

Kumar, M., & Agrawal, T. J. (2017). Risk Management in Indian Banks: Primary Data Analysis. *IUP Journal of Bank Management*, 16(3).

Sehgal, S., & Agrawal, T. J. (2017). Bank Risk Factors and Changing Risk Exposures in the Pre-and Post-financial Crisis Periods: An Empirical Study for India. *Management and Labour Studies*, 42(4), 356-378.

Agrawal, T. J. (2017). Sustainable water resource management in India: A financial perspective. *Journal of Commerce and Management Thought*, 8(3), 467.

Sirunyan, et al. (2018). Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. *Physics Review D* 97(1), 012007.

Research Projects

3 year UGC major project (2015 to 2018) (MRP-MAJOR-BOTA-2013-21235)

PI Manju M. Gupta Associate Professor, Department of Botany, completed successfully.

Patens Filed/Granted

Filed one Indian patent (Application no.201811011902) with collaboration of JNU.

Seminars Organized

A two day national seminar on "Emerging Dimension of Indian Business and Economy: Pace and Pattern" was organised by the Department of Commerce, 23-24 February 2018.

Seminar/Conference Presentations

Chauhan,A. Oral presentation on 'Y.Optimization of sulfuric acid pretreatment for sachharification of water hyacinth biomass in bioethanol production' at the 1 International Conference on New Frontiers in Engineering, Science & Technology (NFEST- 18) 8-12 Jan 2018. New Delhi, India (NFEST/2018/RO16;p4)

Chauhan, A. Orall presentation on 'Water hyacinth as potential feedstock for bioethanol production' at the 9th Annual Congress and Expo on Biofuels and Bioenergy . Dubai, UAE . 16-17 April 2018.

Ashwani Kumar and Raj Mittra, “Gain and Side Lobe Level Enhancement of Array Antennas using Metasurface Superstrates” Presented in IEEE APS/URSI-2018, Boston, USA.

Ashwani Kumar and Raj Mittra, “Wide-Band Circularly Polarized Antenna using Partially Transmitting Surface”, Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Raj Mittra and Ashwani Kumar, “Design of Low-cost Phase-Shifters for Circularly Polarized Antenna elements using Partially Transmitting Surfaces”, Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Raj Mittra and Ashwani Kumar, “Study of Antenna Systems located on Complex Platforms by using Characteristic Mode Analysis and Related Techniques”. Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Ashwani Kumar and Raj Mittra, “Wideband Circularly Polarized Antenna and Low-cost Phase-Shifters using Partially Transmitting Surface”, Presented in IEEE ISAP-2017, Thailand.

Raj Mittra and Ashwani Kumar, “Antenna Placement on Complex Platforms by using Characteristic Mode Analysis and Characteristic Basis Function Technique”, Presented in IEEE ISAP-2017, Thailand.

Ashwani Kumar and Raj Mittra, “Performance Enhancement of Array Antennas using Partially Transmitting Surface”, Presented in IEEE AEMC-2017, Aurangabad, Maharashtra.

Varma, S., & Nayyar, R. Evolution and Growth of Indian Technology Intensive Internationalisers. Paper presented at the Academy of International Business (India Chapter) Conference, 19-20 April, 2017. Symbiosis International University, Pune, India.

Students under Exchange Programme

Organized two educational Trip at Inter University Accelerator Center (IUAC) Delhi and National Science Center, Delhi Jan and Feb, 2018.

Placement Details

Number & Percentage of students placed: 260 (85 got college internship)

Number of companies visited for campus recruitment: 09

Extension and Outreach Activities

Dr. Manju M. Gupta held a session at Education and outreach, Oregon State University, USA 19 July 2018.

Library Development

A total of 58282 Books, 08 Journals and 35 Magazines/ Newspapers were brought / subscribed.

Faculty Strength

Total number of faculty =130

Financial Allocation and Utilization

Grant sanctioned: Rs. 20,47,16,000/-

Grant Utilized: Rs. 24,44,47,189/-

SRI AUROBINDO COLLEGE (EVENING)

Major Activities and Achievements

Our college submitted the Self Study Report to NAAC for accreditation in September 2017 and hosted the NAAC Peer team in March 2018. Several infrastructural additions were made to the campus such as a gymnasium, a girls' common room, a counselling room and health centre. The college collaborated with IPC to organise international educational fairs at Hotel Hyatt Regency, New Delhi. The college also held its first Alumni Association Meeting in September to engage the alumni and help them contribute and participate in the development of the college. The college also celebrated its inclusive and multi-cultural outlook by celebrating a North-East Festival showcasing the north-eastern cultures and ethnic diversity

within the nation. The college also undertook significant activities towards social service and initiated the “Joy of Giving Week” to imbibe a spirit of social welfare amongst all students and faculty.

Honours/Distinctions

Dr. Namita Rajput was awarded the Delhi Police Yuva Foundation APPRECIATION AWARD on 26 April 2017

World Education and Skill (WESC) National Excellence award for Research on 7 September 2017

Green Thinkers Society, India, IRSD - Outstanding Researcher Award 2017 on 6 November 2017.

Women’s Agency for Generating Employment Girl Centric Tertiary Education and Training Award, 8 March 2018.

The Earth Saviour Foundation “Best Women ICONIC Award” on 8 March 2018.

Students with Distinctions

Jai Singh and Jitender Diwan of BA Programme, 1st Year, received Gold medal at All India inter-university championship held at Punjab.

Abhay Deol, won silver medal in 50 mts Rifle prone Junior Championship; Bronze medal in 50 mts Rifle prone senior championship and silver medal in All India Inter-University Shooting Championship

College team won Maulana Azad Medical College Championship and BITS Pilani All India Inter-College Championship.

Pratik Dahiya, won the first position in the category of best physique at Netaji Subhash Institute of Technology, New Delhi.

Ashwani Gautam and Akash won first position in intra-college debate competition in 2017.

The college boxing team secured 3rd place in Delhi University inter-college championship team.

Seema Sejwal won an award by ministry of women and child development in the BETI BACHAO BETI PADHAO week

Ritik Singhal one of our NSS SAC-E Volunteer got selected to attend the National Integration Camp (NIC) 2017.

Publications Total Number

Rajput, Namita (2017) Impact of Impulsive Buying Behaviour and Opinion Leadership on the relationship between Emotional Intelligence and Consumer Satisfaction of Smartphone buyers. *Global journal of enterprise Information system (GJEIS)*, Vol. 9(2). 71-810975-1432.

Gill, Mini (2017) Women Relations and Love: Narratives by Amrita Pritam. *Humanities and Social Sciences Review*.

Rikhi, Monika (2017) Influence of Family Environment and Work Values on Vocational Preference across Stages in Young Adults: *IOSR Journal of Humanity and Social Science*, 22(10).

Pragyendu (2017) Psychological Consequences of Unemployment: A Comparative Study of Employed and Unemployed Youths in Rural Areas. *Indian Journal of Psychological Science*, 054-059.

Varma, Sumati (2017) Drivers of Emerging Market Cross Border Mergers and Acquisitions: Evidence from Indian IT Industry. *Transnational Corporations Review, Taylor and Francis Ltd, Vol 9. Issue 3*, 335-352.

Kulshetha, Jyoti (2017) Violence and Cruelty: A Comparative Study of Medea and the Vultures. *International Journal of Advanced Research and Development*, Vol 2, 70-71.

Sharma, Shailendra (2017) Psychological Consequences of Unemployment: A Comparative Study of Employed and Unemployed Youths in Rural Areas. *A Comparative Study of Psychological Science*, 54-59.

Rout, Swagat (2017) Private Sector Participation in Infrastructural Development in India. *International Journal of Academic Research and Development*, 68-69.

Research Projects

Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development, Government of India, November 2017- January 2019.

Seminar Organised

Department of Commerce organised a One Day Seminar on 'financial Analysis: Today's Need for Awarding and Rewarding Career' on 1 September 2017

The Department of History organized a seminar on "Sufi Islam: Notion and Praxis" in the year 2017

Conferences Organized

Department of Commerce organized XIX Annual International conference on "Managing digital revolution: Inventing future India" in collaboration with Delhi School of Professional Studies which was held in Delhi Technical University on Jan 5th and Jan 6th (2018).

Seminar/Conference Presentations

Dr. Namita Rajput, "Novelties in Financial Markets Levelling Growth: A Case Study of Derivatives in CBOE and NSE", at 13th International Conference, "Business 2025: Driving Growth through Strategic Innovation, Entrepreneurship and Digitization" on 10 Feb, 2018.

Dr. Namita Rajput, "Commodity Derivatives Market Levelling to Sustainability Relative Study of Agriculture and Energy Derivatives Markets in India", at 13th International Conference, "Business 2025: Driving Growth Through Strategic Innovation, Entrepreneurship and Digitization", on 10 Feb, 2018.

Dr. Sumati Varma, "Trade Implications of Regional Economic Integration: India's Experience in APTA and ISCEC", with A Abhyatne, V Madhukar and Kanika Bankhad, paper presented at the 27th anniversary of Asian economic symposium on inclusive growth and structural reform – the experience of Asia, organised by centre of humanities and social sciences, Guang Xi Normal University, China and division of economic development of institute of world economics and politics, CASS, 18th – 20th November 2017, Guilin city China.

Dr. Sumati Varma, "Diaspora networks as drivers of Indian Global Technology Start Ups – A Case Study at the International Conference on Indian Economic Transformation Through revival of Manufacturing Sector and Start Up Eco-System", Ramanujan College Delhi University, 21-22 September, 2017

Dr. Sumati Varma, "Conflict in Global Virtual Student Teams – Perspective" at the AIB India Chapter meet, 19th-20th April, 2017, Symbiosis International University, Pune.

Dr. Sumati Varma, "Trade Creation and Trade Diversion: India's Experience in APTA and ISCECA" with A Abhyartne, V Madhukar and Kanika Bankhad, at the National Conference on "Managing Indian Economy: Challenges for Future", Department of Management Studies, Deen Dayal Upadhyay College, Delhi University, on 11 February 2017.

Dr Sushanta Kumar Bag, "Peasant Movement in Colonial Odisha: A Theoretical Interrogation" at National History Symposium in October 21-22, 2017, at India International Center, New Delhi, on Paik Rebellion: A Forgotten era of Indian Freedom Struggle.

Mr. Vikash Joshiya, "Indian economic transformation through "Make in India" in an International Conference on "Indian Economic transformation through revival of manufacturing sector and startup ecosystem" held in September 21-22 at Ramanujan College, DU.

Mr. Saroj Kumar Rath, "Role of Madrassas in South Asian Education and Training" at the International Conference on 'Innovative and Creative Education and Teaching' at Faculty of Education, University of Extremadura, Badajoz, Spain, 21-23 June, 2017.

Mr. Saroj Kumar Rath, "Integration of Immigrants into Host Socio-Cultural and Economic Life: India as a Role Model for the World", Turkish National Police Academy, Anatlya, Turkey, International 13-15 October, 2017.

Other Inter-Institutional Collaboration:

The Women's Development Cell collaborated with Centre for Social Research as well as with Asmita Theatre Group for the annual festival, Liberation 2018 on April 10-11, 2018.

SACE collaborated with Jaagruti, an initiative dedicated to waste paper recycling services on August 7, 2017, and donated 1000 Kgs of paper for recycling.

SACE collaborated with 'GREENSOLE', on August 9, 2017 for recycling and donating old shoes for underprivileged children.

The SACE Placement Cell collaborated with IPC to organize an International Education Fair at Hyatt Regency, Delhi on 3 February, 2018.

The SACE Placement Cell collaborated with Niuversity, Berlin where speakers from the institution were invited to speak to students on possibilities of further studies in Germany.

Under the mentorship of Dr. Sumati Varma, a member of the Executive Board of Project X- Culture, students from Sri Aurobindo College (Eve) have been selected for the X-Culture project since 2013. The project is a large-scale experimental learning collaborative exercise initiated by the University of North Carolina, USA.

The Department of Commerce organised XIX Annual International conference on “Managing digital revolution: Inventing future India” in collaboration with Delhi School of Professional Studies which was held in Delhi Technical University on 5-6 Jan 2018.

International Conference “Business 2012: Driving Growth through Strategic Innovation Digitisation”, on 10 February, 2018.

Extension and Outreach Activities

The Enactus team of the college works on the principles of “We Rise by Lifting Others” under the project ANNAPOORNA, a tiffin service, giving real life experience and exposure in all facets of management to its members, including increasing financial and entrepreneurial literacy. Gender Sensitization Committee organized health and well-being workshop, Lecture on “cyber security and law”, Promote inter-generational Bonding by AIWEFA and NISD – Ministry of social justice & Empowerment, organized “Rape Roko” campaign by DCW and Women’s Day program . Volunteers of NSS celebrated World Environment Day by adopting plants and by recycling waste materials. A “Cleanliness Drive” was organised in the college campus during Swachhta Pakhwada under Swachha Bharat Abhiyan. A rally was organised by NSS volunteers in and around the college campus in order to support Rally for Rivers Movement. Homage to little angel Pradyuman was organized by taking out a candle march. Alternative NSS MOTTO writing competition; cleanliness drive and mass plantation drive were organized in collaboration with Leaders for tomorrow and Eco Club of SAC-E to celebrate NSS day. NSS-SAC(E) in collaboration with Delhi police and Disaster management group organized a natural disaster mock drill event focusing on Earthquake. NSS SAC-E unit in collaboration with Gender Championship Cell and Women Development Cell celebrated International Girl Child Day by organizing Slogan writing and Poster making competitions. NSS team also organized “DEEP: Let’s Lighten Smiles - a donation drive on the occasion of Diwali, a Christmas party to celebrate Christmas day in the slums of Faridabad and took part in project NAVOUDIT and went to NGO center for training underprivileged students and won several prizes. In another project “Shape tomorrow by voting today”: Volunteers took pledge in order to promote electoral Participation on National Voter’s Day, 25th January, 2018.

22 students of the college participated in the project namely “Project X Cultur” which is a large-scale experiential learning collaborative exercise initiated by the University of North Carolina USA with the aim to develop a business proposal

Library Development

The College Library as the Knowledge Centre of the college is equipped with refereed books of almost all relevant subjects, general books of knowledge, national and international journals through University site, e-journals, news-papers and Wi-Fi facility. It has an overall collection of over 7000 volumes; wide collection of reference books, encyclopedias, dictionaries, atlas and yearbooks; subscription of 23 Newspapers and 27 Journals and Online Public Access Catalogue. It is furnished with two computers with Non Visual Desktop Access (a Screen Reading Accessibility Software for the People with Visual Impairment) and URKUND Plagiarism Checking Access Facility.

Faculty Strength

Total number of Permanent faculty: 42

Total number of Ad-hoc faculty: 32

Financial Allocation of Utilisation

Grant sanctioned: Rs. 14,23,05,000/-

Grant Utilized: Rs. 14, 06, 33, 625/-

Other Significant Information

The college organized a Faculty Development Programme on ‘Research Methodology and Data Analysis’ on 1-2 May 2017, celebrated International Yoga day on 21 June 2017, organized its first Alumni Meet “YAADGAR” was organized at the college lawns on 17 September 2017. On the Occasion of the martyrdom of Gandhiji, faculty and students of the college attended a seminar conducted by the Government of Delhi on 30 January 2018 at the Delhi secretariat auditorium. This seminar is part of a year long lecture series organized by Delhi Govt to celebrate completion of 75 years of the Quit india Movement. The college also celebrated Hindi Matrabhasha Divas 2018 on 21 February in which talks were delivered on the significance of the Mother Language by Dr. Veena Gandhi, Dr. Girish Joshi and Dr. Aman Singh, senior faculty members of the College. Dr. Gandhi also elaborated upon how the day came to be celebrated. Tracing its origins to Bangladesh.

SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

Major Activities and Achievements

The college introduced two professional course including “Bachelors in Management studies (BMS)” and B.A. (Hons.) Punjabi. Two new career-oriented courses at undergraduate level are also introduced in collaboration with Bombay Stock Exchange (BSE) Institute Limited. Girls Hostel with well-equipped rooms for 129 students and all the facilities for the overall development is completed during this year. For making use of the non-conventional sources of energy, establishment of number of high quality solar panels and wind panels for clean energy have been installed on the terrace. The college has started the work for the establishment of rain water harvesting system. The college has adopted *SmartProf* Application under innovative digital initiative. This custom application is used to feed and display real time attendance and internal assessment records of all the students in the college. *Marketing Mavericks*, Social Awareness Campaign in support of ‘Rally for Rivers’ project launched by Isha Foundation to spread the message of saving our invaluable rivers by reaching out to the college students and faculty members in the college premises.

Honours /Distinctions

Shri M. Hamid Ansari, former vice-president of India, was invited as chief guest of National Symposium on Quality in Higher Education: Road to Employability organised in college in April 2018

Students with Distinctions

Sarthak Kumar, a student of final year of B.A (Hons.) Business Economics, has been a meritorious student of the college. He was the topper of the college in academic years 2015-16 and 2016-17 and was the second position holder in Delhi University in 2016-17. He scored 97.64 % in CAT 2017 and has received calls from the premier institutions like IIM Lucknow, SP Jain etc. He also secured 99.95 % in XAT 2018 and got calls from XLRI Jamshedpur for a course in Business Management. He has also done a project on “Effect of Different Economic Factors on Gold Prices” during January-May 2017.

Nishima Arora graduated B.Tech. Computer Science securing second rank in the university (out of 2000 students) with a score of 94.75%. Academically, she has maintained a consistent record securing 3rd rank in the university in first year, 2nd university rank in second academic year and University topper consecutively in the third academic year. She was also awarded Certificate of Excellence for participating in Rio+22 UN Sustainable Energy for All India Program, organized by IARC in 2015. Presently, she is working as a Junior Research Fellow at IIIT Delhi in the fields of Virtual Reality and Artificial Intelligence. As part of her research work she submitted a research paper titled - ‘Optimal Image Acquisition for high quality Architectural Reconstruction’ to one of the world’s top Most (A*) conferences IEEE Transactions on Visualization and Computer Graphics (TVCG) 2018.

Divya Kaushik, a student of B. Com. (Hons.), holds six world records and five national records in the field of Mathematics. The world records included in the Limca Book of Records are for computing 120-digit table in 21 min 40 sec, 50 sums of 9-digit cube roots in 5 min, 30 sums of 12-digit cube roots in 5 min, 4 sums of 8 digit squares in 5 min, 3 sums of 9 digit squares in 4 min 30 sec, 2 sums of 10 digit squares in 4 min. Her national records include (*Limca Book of Records*) computation of 20-digit table in 5 min, 100-digit table in 20 min, 10 sums of 5-digit X 5 digit in 5 min, 5 sums of 6 digit X 6 digit in 5 min, 4 sums of 7

digit X 7 digit in 5 min. She has won 1st rank in speed and accuracy in Abacus Championship organised by Abacus Champs Academy for three consecutive years.

Shivam Dhoundiyal, B.com (H.) 2nd Year represented Delhi U-16 state in Vijay Merchant Trophy (2014-15). He Scored 142 runs on debut. He also represented Delhi U-19 state in Vinoo Mankad Trophy & Cooch Bihar Trophy (2015-2016). He scored 220 runs against Zakir Hussain College in DDCA inter-college tournament (2018). He has the highest Run Scorer (Best Batsmen) in DDCA inter-college tournament including one century (113) & double century (220). He is currently leading (Captain) SGGSCC college to the finals in DDCA inter-college tournament.

Akash Verma, a student of B.Com. first year, qualified for the 4th Inter-University Shooting Championship. He also qualified for trials in 61st National Shooting Championship. He won a bronze medal in the Haryana State Shooting Championship.

Publications (selected)

Total Number: 55

Dodrajka, Sangeeta (2017) "Quality Function Deployment: Transforming Customer Needs into Product Attributes" in *International Journal of Management Research and Review*, (IJMRR), e-ISSN No.2249-7196, Vol. 7, Issue 2, April - June 2017 (SCOPUS LISTED)

Gill, Kawal, Rekha Sharma and Renu Gupta (2017) "Empowering Visually Impaired Students through E-Learning at Higher Education: Problems and Solutions". *Journal of Humanities And Social Science (IOSR-JHSS)* Volume 22, Issue 8, Ver. 7 e-ISSN: 2279-0837, p-ISSN: 2279-0845, page 1-9

Gill, Kawal, Rekha Sharma and Renu Gupta (2107) "*Empowering Disabled Students Through E-Learning*", Ane Books Pvt.Ltd, New Delhi. ISBN 97893855462788

Gupta R. (2017) *Banking Reforms and Competition: Liability Structure of Indian Banking Segments*. Delhi Business Review, 18(1) pp 55-70. ISSN No: 0972-222X

Kaur, Harpreet, Bajaj, Prateek, and Kaur, Harshleen (2017) Digital India: An Opportunity to Leapfrog in terms of Business and Technology. *International Journal of Engineering Research & Technology (IJERT)*, Volume 6, Issue 04, ISSN: 2278-0181

Kaur, Harpreet, Bajaj, Prateek, and Kaur, Harshleen (2017) Conceptualizing Smart Cities: Developments, Technological Advancement and Challenges. *International Journal of Engineering Research & Technology (IJERT)*, Volume. 6 - Issue 06, ,Pgs. 786- 793, e-ISSN: 2278-0181

Kaur, Harpreet, *Strategies for GSEZs in India* (2017) The Scientific Conference of Microfinance And Sustainable Development, University of Ottawa, Ontario, Canada, ISBN: 978-1-988081-03-8

Kaur, Simrit, Harpreet Kaur (2017) "Climate Change Begs for Policy Initiatives in South Asia" in East Asia Forum an Asia Pacific focused Policy Forum, based out of the Crawford School of Public Policy at the Australian National University. <http://www.eastasiaforum.org/2017/08/26/climate-change-begs-for-policy-initiatives-in-south-asia/>

Malhotra, Ruchika and Ummat, Megha (2017) "Prediction of Change Prone Classes using Evolution-based and Object-Oriented Metrics", *Journal of Intelligent and Fuzzy Systems*, IOS Press, ISSN: 1875-8967

Singh, Gurdev, (2017) "Application of Social Media in Library and Information Services", JILACON 17 (National Conference on Library and Information Management in Digital Environment. *Jharkhand Information and Library Association, Bhaskar Karn and others Eds. Lord's Pub House, Ranchi.*p1-21

Journals published by College

'*Journal of Business Thought*' is published annually by the college. It seeks to provide a platform that encourages research scholars and academicians to share contemporary thoughts in related fields of business and economics. It covers a plethora of topics relating to, though not limited to, finance, taxation, banking, marketing, management, economic policy and sustainability, global integration, development studies, business ethics, corporate governance, cross-cultural studies, and corporate social responsibility. The Journal is fully refereed and is in the UGC approved list of Journals (Journal no 64092). Seven Faculty members are serving as members of Editorial Board.

Research Projects

Funded by UGC, 2015-18 (Rs. 10,04,400/-). 'Special Economic Zones: A Comparative Analysis of South Korea and India-Contemporary Concern with Policy Implications' (MRP-MAJOR-POLI-2013-6117). Dr. Harpreet Kaur

Seminars Organized

National level Symposium on 'Quality in Higher Education: Road to Employability' by IQAC in April 2018. Shri M. Hamid Ansari, former vice-president of India, was invited as the chief guest along with experts from various companies like, FICCI, Deloitte, KPMG, Earnest & Young etc.

The commerce society hosted a Seminar on 'Goods & Services Tax and E-Filing of Income Tax Returns' on November 1st November 1, 2017. CA Rajender Arora, Secretary of NIRC, ICAI was invited to bring the conceptual clarity amongst the students. The practicalities of e-Filing of income tax returns were explained by Prof. Ravi Gupta, Associate Professor SRCC.

Confluence 2.0 was organised on February 15, 2018. Dr. Charan Singh, former RBI Chair Prof. and faculty of IIM Bangalore highlighted the recent union budget and its effects on the nation.

A seminar on 'Young Leaders Programme' was organised by ENACTUS in February 2018 in collaboration with Indian School of Business, Hyderabad to guide and motivate students.

Lecture on 'Demographic Trends in South Asia and their Macroeconomic Impacts: The Risk of growing Old before getting Rich' by Andreas Bauer, Senior Resident Representative for India, Nepal and Bhutan

Conferences Organized

National Conference on 'Contemporary Reforms in Management, Economy and Applied Business' was organised February 2018 where Sh. Montek Singh Ahluwalia, Former Deputy Chairman of Planning Commission was a Chief Guest.

'Achievers Talk 4.0' was organised on February 2-3, 2018 in the college where achievers from diverse field- business, politics, fashion, media and YouTube were invited to share their experiences and success stories.

'ECOLOQUENCE 2.0' organised on February 13, 2018, was presided by Dr. Bimal Jalan and co-chaired by Dr. Rajesh Chadha. Dr. Bimal Jalan delivered an enriching speech on India's economic past with focus on some five year plans and how India's future growth policy should be framed.

'The Apple Talk' was organised in November 2017. Mr. Vijay Sardana, Senior Corporate Leader at ASSOCHAM, Dr. B.K. Tyagi, Senior Scientist at Vigyan Parisar, Mr. Palvinder Singh, Ethical Hacker & Information Security Expert and Mr. Ankush Singla, Tech- Entrepreneur were delivered their talk.

A Panel Discussion on 'Media Convergence' was held in February, 2018, where personalities from diverse background like Ms. Manjari Joshi (Ex- TV News Anchor, DD News), Basant Kumar (Reporter, Amar Ujala TV), Mrs. Meena Kotwal (Broadcast Journalist, BBC India) and many more enlightened the student.

Seminar /Conference Presentations

Papers Presented

Dr. Harpreet Kaur, on 'Strategies for GSEZs in India' at International Conference at 'The Scientific Conference of Microfinance and Sustainable Development', University of Ottawa, Ontario, Canada on June 20, 2017

Dr. Harpreet Kaur, on 'Sadh Sangat dee Dharna Ate Naitikta' (The Concept and Morality of Sadh Sangat) at World Punjabi Conference, held at Brampton, Canada on June 23, 24 & 25, 2017

Dr. Harpreet Kaur, 'The Viability of Special Economic Zones (SEZs) in India as an Instrument of Inclusive Growth' at the 4th National Seminar on Current Reforms in Management, Economics and Applied Business held on February 9-10, 2018 organized by Sri Guru Gobind Singh College of Commerce, University of Delhi

Dr. Harpreet Kaur, on 'Significance of Kartarpur: The Last Abode of Guru Nanak Dev, at the National Seminar on, Life, Times and Legacy of Guru Nanak Dev held on February 16-17, 2018 at Mata Sundri College for Women, Delhi organized by International Centre for Sikh Studies.

Dr. Renu Gupta, on "Banking Reforms, Financial Recession and Competition: Locating Turning Point in NPAs Trends of Indian Banking Segments" in National Conference organized by Sri Guru Gobind Singh College of Commerce, University of Delhi.

Ms. Dipavali Debroy, on "Changing Technology and Children's Books in India" in the Third Asia Oceania Regional IBBY Congress organized by the International Board on Books for Young People and held in Bangkok, Thailand, May 9-12, 2017.

Dr. Aradhana Nanda, on Demography, Old Age Savings and Inflation: A Post Reform Analysis at the 'Emerging Researchers Conference on- Demography, Ageing and Health', September 26-28, 2017, University of Oxford, United Kingdom.

Ms. Harpreet Kaur, on "Sustaining Food Security in South Asia in the Face of Climate Change" at the International Conference, "Developing Countries and Sustainable Development: Reconnecting Past with Present", held on March 5-6, 2018 at Shyam Lal College, University of Delhi.

Ms. Harpreet Kaur, on titled "Impact of Climate Change on Food Security in South Asia" at the National Seminar, "Climate Change, Mitigation, Adaptation and Sustainable Development", held on March 14-15, 2018 at Jamia Millia Islamia University.

Dr. Kajleen Kaur, on "Monetary Policy during Crisis: Impact on Inflation", at the 3rd National Conference, SGGSCC, 2018 and won the Best Paper Award.

Ms. Gurleen Kaur, on 'Inflation in India: A Macroeconomic Analysis' at the 21st Annual Conference of Indian Political Economy Association held at IIT Delhi during December 8-9, 2017.

Ms Sugandha Gupta, on "E-Assessment Tools for Programming Languages: A Review" at International Conference on Information Technology and Knowledge Management (ICITKM-2017) held at Shaheed Sukhdev College of Business Studies, University of Delhi during December 22-23, 2017.

Other Inter Institutional Collaborations

Enactus collaborated with KPMG for execution of their projects. They received a grant of Rs. 29,000/- from KPMG this year.

The Rotaract club collaborated with Divya Jyoti Jagrati Sansthan, who opened up the centre and the club provided the students with course material. The club also installed a projector and white screen to enable digital learning at this centre. The teachers at the centre are provided by Divya Jyoti Jagrati Sansthan and DJJS also manages it. Purpose of the centre is to educate women and give them the basic knowledge to move forward in life. The Club also collaborated with Navjyoti India Foundation, the foundation provides the club with the place, where the club worked hard to get the centre up and running. The club provided the centre with 10 computer systems with i3 processors and 5 singer sewing machines, with the goal of educating 1000 beneficiaries. The club managed to raise a donation of 190000 (cash+kind). The teachers and management is done by Navjyoti India foundation.

Placement Details

Number of Organizations Visited:	29
Number of Students Participated:	350
Number of Students Placed:	163 (47%)
Number of Students Placed:	23

Companies Visited: KPMG Global, KPMG India, Deloitte USI (Tax), Deloitte USI (Audit), Tommy Hilfiger, EY GDS (Audit) etc

Extension and Outreach Activities

The Rotaract Club successfully inaugurated its Mega Project "Sankalp", a Digital Literacy and Sewing & Stitching Centre for Youth and Women, in Prem Nagar, on April 14, 2018. The Club has worked on this project for months with unparalleled vigour, in collaboration with Navjyoti India Foundation. The mobile centre established to provide a one-year course consists of 10 computer systems with i3 processors and 5 singer sewing machines, with the goal of educating 1000 beneficiaries.

The Rotaract Club, in collaboration with Divya Jyoti Jagrati Sansthan, successfully inaugurated SYAHI, an adult literacy centre for women, in Faridabad on November 12, 2017. Another centre was inaugurated in Dwarka on April 18, 2018. A team of 10 Rotaractors attended the event and the fresh batch of 15 lady scholars was welcomed and honoured with Scholar I Cards, stationery kits and course material. The Club is immensely proud to see its efforts being translated into tangible results with the opening of two Adult Literacy Centre by the club in 2017-18.

Library Development:

Digitisation of rare old manuscripts started this year. Around 35 manuscripts digitised.

A session was organised for support staff in which Dr. Lokesh Sharma, Director General of Public Libraries, enlightened the audience on '*Public Library and Library Services*'.

Special arrangements have been made in library for visually challenged students. Vision Aid English Vocaliser Voice system has been installed to help blind students to avail library services. Separate laptop with special software as LEX, Hindi OCR, NDVA, ABBY, Fine Reader etc. has also been placed in library for such students.

Faculty Strength

Total number of Permanent faculty:	42
Total number of Adhoc faculty:	27
Total number of Guest faculty:	17

Financial Allocations and Utilizations

Grants Sanctioned: Rs.1524.90 Lakhs

Utilisation: Rs.1524.90 Lakhs

Other Significant Information

At 'ROAR Award Ceremony' organized by 'Rotaract South Asia MDIO', . Out of 8 Countries and more than 2500 Rotaract Clubs, Rotaract SGGSCC bagged 'Outstanding Project in Professional Service' for our dream project 'Sankalp' At Thanksgiving of District Governor Ravi Chaudhary, Rotary International District 3011 Rotaract SGGSCC received 'Governor's Platinum Award for SANKALP as the Best Vocational Project in district 3011' At Thanksgiving of DRR PHF Rtr Anmol Chawla, Rotaract District 3011, the Rotaract Club SGGSCC received the following awards.

Outstanding Institutional Club of District 3011

Best Project in Vocational Service- SANKALP

Best Service in Singer

Outstanding President-secretary Relationship to Anshika Walia & Gurkirat Singh

Outstanding IPP-President Relationship to Tamish Goyal & Anshika Walia

Ms Saransh title to Anshika Walia for a fashion show at Saransh (District Conference)

At Thanksgiving of Partners at Service of Parent Club - Rotary Club of New Delhi, Rotaract Club SGGSCC bagged-

Best project Award for Its Adult Literacy Centre - SIYAH

Appreciation award for the hardwork throughout.

The club has also received '100% presidential citation' during this year.

SRI GURU NANAK DEV KHALSA COLLEGE

Major Activities and Achievements

The academic year 2017-18 was a year of accomplishments for Sri Guru Nanak Dev Khalsa College. According to the NIRF rankings of last year, Sri Guru Nanak Dev Khalsa College was ranked at 46 out of the 535 Colleges that were considered by the MHRD. The Internal Quality Assurance Cell (IQAC) of our College has kept track of scheduled plans and implementation of various activities and has advised, where necessary, to ensure the maintenance of quality parameters. E-newsletter published on the College website by our students under the guidance of Dr. Indra Kaul aims at sharing the main events of the College on a regular basis. Online Attendance has been introduced for the purpose of maintaining an attendance record of students as well as for ensuring transparency in this sphere. Complete examination forms were generated by Enterprise Resource Planning (ERP) for second semester students. Substantial advances have been made in the direction of digital governance with the view to promote efficiency, transparency, and effective work culture. All financial transactions have now gone online or digital. Strong emphasis was given in maintaining the green campus initiatives/ practices like rainwater harvesting unit, recycling of waste paper, solar panel and preventing wastage of resources.

Outstanding Honours / Distinctions

Lt (Dr.) Bairwa, Ghanshyam, successfully completed PRCN/163/SD Associate NCC Officer (ANO) three months training organised by the Officer Training Academy (OTA), Kamptee, Nagpur, Maharashtra from 27 November, 2017 to 24 February, 2018.

Bala, Anju was awarded *Ginadevi Sahitya Shiromani Samman* by Gaganram Educational and Social Welfare Society, Bhiwani, Haryana, *Kabir Samman*, *Sahityik Vachaspati Samman* and *Virangana Savitri Bai Phule Fellowship National Award* by Bharatiya Dalit Sahitya Akademi, Delhi.

Deepmala, won prize for presenting a paper titled '*Yuva Disha Aur Dayitva*' organised by Indraprasth Adhyayan Kendra, New Delhi on 20 January, 2018.

Bakshi, Bhupinder Pal Singh submitted PhD thesis in November, 2017 to University of Delhi. The topic of his PhD thesis is '*Dr. Tarlok Singh Kanwar Da Sahit Chintan: Pra-Adhiyan*'.

Kaur, Manmeet was awarded Doctorate of Philosophy on 18 November, 2017. The topic of her PhD dissertation is '*Corporate Governance Practices and Performance: Empirical Evidence from Indian Banking*'.

Singh, Baljeet submitted PhD thesis to in February, 2018 to University of Delhi. The topic of his PhD thesis is '*Mahakavi Santokh Singh Dian Sahitik Rachnawan: Itihas Chetna*'.

Students with distinctions

Gurpreet Singh received a Certificate of Appreciation by the Chief Electoral Officer, Delhi for his work as Campus Ambassador in spreading awareness regarding the electoral process.

Cadet Hardeep Mathur, Cadet Md. Riyaz and Cadet Seenu Kumar successfully completed a tough 45 day camp.

Three Cadets, Sgt Karan Khurana, Cdt Md. Sheeryaar and Cdt Ayush Sisodia of our NCC took part in Republic Day Camp 2017.

Karan Khurana took part in the Republic Day Parade and Cdt Ayush was selected for Youth Exchange Programme.

Athlete Rahul has earned the distinction of being selected for India Camp of Athletics of World Championships.

Athlete Sarthak Bhambri was selected for 400m in the India Camp League.

Our dramatics team was selected for participation by Sahitya Kala Parishad, Government of Delhi for the prestigious Mahavidyalaya Natya Samaroh.

Our student team won the first prize in Group Discussion at UNIC 2017 on 13 December, 2017. It also earned high commendation in Symbiosis MUN Conference held on 5-8 October 2017, and special mention in SHISMUN'17 and SYMUNC'17 organised on 5-6 August, 2017 and 5-8 October, 2017 respectively.

Journal Published by the College

Journal of Research and Innovation

Other Publications

Kaul, Indra (2017) Self, a Continuum of Being and Becoming: Lalla Ded in the Backdrop of Medieval Indian Bhakti, *Journal of Research and Innovation*, Vol. 1(2), 21-29

Babbar, Garima (2017) Valuing Water Resources - An Economic Perspective. Delhi. *Heritage Publishers*. (ISBN 817026395-6).

Jha, Pravin Kumar (2017) Television Channel aur Satyakathakaran, Delhi. *Tarun Prakashan* (ISBN 978-93-83629-12-1).

Kaur, Jasmine (2017) *Insurance and Risk Management*. Delhi: Netshop18.com. (ISBN 978-81-93400-62-3).

Kumar, Vinod, Gupta, K., & Kaur, Manmeet (2017) Financial Markets, Institutions and financial services. Delhi: *Taxmann Publications* (ISBN 978-93-86635-63-1).

Mehta, P. K. & Singh, M. (2017) Microeconomics, 2nd edition, New Delhi: *Taxmann Publications (P.) Ltd.* (ISBN 978-93-86635-17-4).

Shastri, Dharmendra Kumar (2018). Vaidik-Vividh-Vigyan, Delhi. *Vidyanidhi Prakashan* (ISBN 978-93-85539-40-4).

Singh, Meena (2017) Trade Cooperation Between India and NAFTA Countries, New Delhi: *Synergy Books* (ISBN 978-93-82059-70-7).

Singh, Preeti (2017) New Orientations and Terminological Interpretations of Medieval Indian Economic Historiography. *Periodic Research*, 5(1) 13-16 (ISSN 2231-0045) and. Franco-Tamil Architecture of Pondicherry- Enduring Symbol of an Invaluable Heritage. *Rencontre avec l'Inde* (French Journal published by ICCR) 46(1) 93-105 (ISSN 0970-4876) Translated into English.

Seminars organized

The Department of Economics organised a Seminar on 'Stock market: Investing and trading' by Financial corridor on 26 October 2017.

One Day Seminar was organized on theme 'India in 2030' on 11 January 2018.

The Enabling Unit/ Equal Opportunity Cell of the college organised a one day Seminar on 'Disability and Modernity: Memories and Visions' on 25 January, 2018.

The Department of Hindi and Hindi Journalism organised a two day National Seminar on the theme '*Sahitya, Media Aur Hindi Lekhan*' on 23-24 February 2018.

The Department of English, organised a one day National Seminar on 'Outcast Voices and dislocated Identities: Reconsidering "Exile" in Contemporary Narratives' on 28 March,

The Department of Punjabi organised a one-day National Seminar on the topic *Punjabi Rangmanch: Sarokar ate Sambhavnav*.

Seminar/Conference Presentations

Arora, G. K. addressed the Valedictory Session of PIO Parliamentarians' Conference held on 10 January 2018, presented a paper titled 'Diaspora in a Globalized World- The Way Forward' at International Conference on 'A Century of Abolition of Indentureship of Indian Diaspora and Contemporary Engagement Options for India' held at Jawaharlal Nehru University, New Delhi on 20 March, 2018, presented a paper titled 'Connecting with the Young Diaspora- Policy Options for India' at International Conference held at IGNCA, New Delhi on 22 April 2017.

Bala, Anju presented a paper titled '*Sahitya mein Rashtriya Mulyon ki Avashyakata evam Mahatava*' in One Day International Seminar organised by Maharshi Dayanand University on 30 July, 2017, presented a paper titled '*Fanishwar Nath Renu ke Upanyason mein chitrit Lok Sanskriti*' in One Day International Seminar organised by Pratikalpna Sanskritik Sanstha on 9-10 September, 2017 and presented a paper titled '*Valmiki Ramayan mein Saundarya Bodh*' in One Day International Seminar organised by and held at Maharshi Dayanand University, Rohtak, Haryana on 18 September, 2017.

Duggal, Renu presented a paper titled '*Bhakti Andolan aur Kabir*' in Two Day International Seminar on *Bhaktikalin Kavita: Bharatiya Sanskriti Ke Vividh Aayam* held at P.G.D.A.V. College, University of Delhi on 2-3 November, 2017.

Gupta, Preeti presented a paper titled 'Impact of Demonetisation on Indian Micro finance Industry: A Case Study of Margdarshak Financial Services Ltd' at 40th All India Accounting Conference and International Seminar on Accounting Education and Research organised by University College of Commerce and Management Studies in Association with Indian Accounting Association on 19-20 November, 2017.

Jain, Priya attended a National Seminar on 'Exile: Outcast Voices and Dislocated Identities' organised by the Department of English, S.G.N.D. Khalsa College, University of Delhi on 28 March, 2018.

Jha, Pravin Kumar participated in a National Seminar on '*Vartman Paridrishya me Rashtriya Patrakarita: Media aur Myth*', jointly organised by Media Scan and Indian Institute of Mass Communication, New Delhi on 20 May, 2017.

Kaul, Indra made a Plenary Presentation 'Towards an Alternative Historiography of Women' in the 4th JGU International Literary Conference organised by O.P. Jindal University, on 24-25 January, 2018.

Kaur, Bhupinder presented a paper titled '*Guru Nanak Bani Da Sarabkali Sandesh*' in Two Day National Seminar organised by International Centre for Sikh Studies on 16-17 February, 2018 and presented a paper titled 'Ramavatar tatha Ramayana Tulanatmak Anuvaad' in an International Seminar *Bhaktikalin Kavita: Bharateeya Sanskriti ke Vividh Aayam* held at P.G.D.A.V. College, University of Delhi on 2-3 November, 2017.

Kaur, Jasmine & Kaur Gurneet presented a paper titled 'Women Entrepreneurship in 21st Century: Realities and Challenges' in National Conference on *Globalizing Brand India through Business Leadership and Digital Innovation* organised by Sri Guru Teg Bahadur Institute on Management and IT on 22–23 December, 2017.

Kaur, Vinay Neet presented a paper titled 'Rangmanch Samalochana de Mool Adhaar' at One Day National Seminar on *Punjabi Sahit de Vibhin Roopakar ate Viharak Samikhya* organised by Department of Punjabi, Dyal Singh College, University of Delhi on 19 April 2018.

Singh, Preeti presented a Paper titled 'Era of Globalisation and Dynamics of Women Empowerment in India', held at a National Seminar sponsored by Indian Council of Historical Research and held at S.P.G. College, Allahabad State University on 29-30 July, 2017.

Placement Details

Number and percentage of students placed:	166
Number of companies visited for campus recruitment:	20

Extension and Outreach activities

Number of Extension and outreach activities organized: 38

Number of students who have participated in NSS events:

At University level	55
At National level	10

Aswarai, our popular Sufi Indian band, won 23 awards in various events including five First prizes.

An Inter-College debating and quiz annual festival 'PRAKHAR 2K18' was held on 12-13 February 2018. 216 students from 40 different Colleges and institutions of Delhi-NCR participated in the event.

On 27 and 28 of July, 2017 NSS Elector's Photo Identity Card camp (EPIC) was held.

Swachhta Pakhwara was celebrated from 1-15 August 2017

NSS volunteers also participated in Rally for River campaign. Students took an oath to build a New India by 2022 underer '*Sankalp Se Siddhi*'. On 11 September, 2017, NSS volunteers were invited to attend the live webcast of Honorable Prime Minister Mr. Narendra Modi.

A Stem Cell Donor's Registration Drive was held on 26 September 2017, wherein along with two NGOs 'Win over Cancer' and 'DATRI' an awareness drive to fight Cancer was launched.

Our students actively participated in Rally for River event at Indira Gandhi Indoor Stadium addressed by Sadhguru Jagdish Vasudev- the founder of Isha Foundation.

Vigilance Awareness Week was celebrated from 15-19 January 2018 to make students aware of the need to fight against corruption and to promote probity in public life thereby achieving a corruption-free society.

A special event, 'TASHI'18', was organised especially for the students hailing from North Eastern states of India, on 22 March, 2018. With 'Tourism in Sikkim' as the theme, various educational Inter-College competitions and games were organised.

A Two-Day PAN Card Registration Camp was held on 13-14 March 2018.

Library Development

General Funds:	1402
Students' Aid Fund:	127
BBE Fund:	24
Hindi Journalism Fund:	10
Journals subscribed	17
Magazines	30
Newspapers	21

Faculty Strength

Total number of Permanent Faculty:	50
Total number of Ad-hoc Faculty:	33
Total number of Guest:	5

Financial Allocation and Utilization

The Non-Plan Budget for the academic year 2017 – 18 is approximately 2626.00 lacs rupees.

SRI GURU TEGH BAHADUR KHALSA COLLEGE**Major Activities and Achievements:**

The College has acquired NAAC accredited with grade 'A' and CGPA of 3.41. The World Environment Day and The World Ozone Day was observed in the college on 5 June 2017 and 16 September, 2017 respectively, set up two compost pits, recycled waste paper, and reorganized Guru Har Rai Botanical Garden with medicinal plants. Foundation stone of Hari Singh Nalwa Boys' Hostel was laid on 22 January, 2018, by S. Hardeep Singh Puri, Union Minister of State, Urban Affairs. Two workshops on Gender based Legal Rights were also organized. The college developed e-content for six subjects. The e-PG Pathshala content is now being repurposed into MOOCs (Massive Open Online Courses). On SWAYAM portal, 42 MOOCs for PG courses have been contributed by the Centre for e-Learning (maximum by any institution in the country). Guru Angad Dev Teaching Learning Centre (GAD-TLC) received award for Empowering of Teachers at the National Level and has trained more than 3000 teachers in ICT skills and blended learning in class rooms.

Honours/Distinctions

Dr. G.S. Sodhi, Department of Chemistry has received Union Home Minister Award by Hon. Home Minister, Sh. Rajnath Singh for Excellence in Forensic Science on 10 February 2018.

Dr. Vanita, Department of Punjabi has been elected as the Convener of Punjabi language in 'Bharatiya Sahitya Akadmi' on 12 February 2018.

Dr. Vimal Rarh received an Award at the 'Global Education Summit-2017'.

Deepali Joon, Department of Zoology, was awarded with Sun Pharma Science Scholar award.

Centre for e-learning was invited to exhibit its e-content at the Global Education Summit-2016 an international exhibition-cum-conference held at New Delhi.

Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi was set up under the prestigious Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) scheme of MHRD, Government of India, for three subjects namely, Chemistry, Commerce and Economics with an allocation of Rs. 4.81 crores.

Students with Distinctions

Miss Shivani Kakkar B.A. (H) Punjabi III year stood first in University of Delhi examination, 2017 and was awarded Sardar Manmohan Singh Memorial Gold Medal.

Amoj Jacob has won Gold medal in 800m in field Championships Bhubaneswar, created new Junior National record in 400 mts. and also new meet records in All India Intervarsity Athletic Championships. He has also represented India in World University games (2017) in Taiwan. He qualified for South Asian Games 2017 held in Kuala Lumpur, Malaysia.

Akshay Nain has set a new record in Junior National for 100 mts. He also set a new record in DU Inter College athletics.

Gursher Singh Kolhi won the silver medal in double trap at All-India Intervarsity Championships.

In Athletics, the college won 7 gold, 5 silver and 3 bronze medals.

The college stood first in the inter-college tennis championships for the fourth consecutive year. Yashvardhan was selected for the Inter-University championships. Kamalpreet Singh has won 3 gold, 1

silver, and 1 bronze medals in Inter-college Gatka competitions, and has also represented University of Delhi. Nine students of the college Gatka team were selected and represented the University of Delhi at India Interschool Gatka Championships held at Sangrur. The team stood Second. The college students (both girls and boys) won 6 medals including 5 silver and 1 bronze.

Publications

Sodhi, G. S. (2017) 'Multimetal deposition technique for detection of latent fingerprints: A review', *Egyptian Journal of Forensic Sciences*, 7, 1-7.

V., Kamra K., Negi R.K., Lal R. (2017) Complete genome analysis of *Thermus parvatiensis* and comparative genomics of *Thermus* spp. provide insights into genetic variability and evolution of natural competence as strategic survival attributes. *Frontiers in Microbiology*. 8:1410.

S.Goel, N. Sinha, H. Yadav, S. Godara, A.J. Joseph & B. Kumar (2017) "Ferroelectric Gd-doped ZnO nanostructures: enhanced dielectric, ferroelectric and piezoelectric properties", *Materials Chemistry and Physics* 202 56-64.

Dhalli, R. (2017) "The cult of Goga: A study of the Religious Process of a Popular Folk Deity in Rajasthan" In *Revisiting the History of Medieval Rajasthan: Essays for Professor Dilbagh Singh*, edited by Prof. R.P. Bahuguna, Dr Surajbhan Bhardawaj and Dr Mayank Kumar. *Primus Book*, Delhi 2018.

Gill, A. (2017) '1708: Dasam Guru di Dakhan Feri'. Satvic Publisher ASR ISBN 81-87526-56-4.

Kaur, S. (2017) Textbook of Fungi and their Allies. *Scientific International*. India.

Mohanty, B. (2017) *Administrative Theory*, Published by Centre for Distance and Open Learning, Jamia Milia Islamia, New Delhi.

Singla, P., Garg, N. (2017) Plant flavonoids: Keys to long-term harmony in mycorrhizal and rhizobial endosymbioses. In: Varma, A., Prasad, R. and Tuteja, N. (eds.) "Mycorrhiza: Function, Diversity and State-of-Art" Springer Verlag International Publishing, Germany, 4th edition. 133-176. ISBN: 978-3-319-53064-2_8.

Thakur, B. K. (2017) *Linking Past and Future: The Requirement for a Comprehensive and Sustainable National Conservation Policy in India* published online. @ icom-cc-publications-online.org/working-group-legal-issues-in-conservation/venue-Copenhagen.

Research Projects

SERB-DST Research Project (3 years) "Characterization of Free Living Ciliated Protists as indicators of pollution and their impact on the micro-ecology of river Yamuna flowing through National Capital Region (NCR) of Delhi, India" (Sanctioned amount: 63,26,840)

In-house Projects:

1 year. 'Cataloguing ciliates from Sewage treatment plants' (Sanctioned amount: 21,300)

'Effect of Mycorrhizal and/or Rhizobial Inoculation on growth and productivity of Groundnut (*Arachis hypogaea* L.) Variety'.

'Black Gold- usage and effect on plant growth'. The project work has been successfully completed.

'Raising Marigold (*Tagetes erecta* L.) Through Organic Farming.

Seminars/ workshops organized

An International Hindi Seminar on 'Vishv Patal Par Hindi Adhyapan Ki Chunaotiyan Aur Sambhavnayein' organized by Hindi Sangam Foundation on 15 September 2017.

National seminar on 'Guru Gobind Singh: Remembering Life and Legacy' organized on 27 September 2017. The former HRD minister, Shri Murli Manohar Joshi and former vice chancellor, Punjabi University, Prof. Jaspal Singh Patiala delivered their talk.

A two-day national workshop on New Vistas in Sports Law: Challenges and Opportunities, in collaboration with Indian Society for International Law, conducted on 9-10 September 2017 at Indian Society for International Law.

A lecture on *Forensic Documentation* was delivered on 16 October 2017 by Dr. D.R. Handa, Head, Documentation Division, Central Forensic Science Laboratory, New Delhi

A lecture on *Forensic Investigation of Arson* was delivered on 23 January 2018 by Dr. A.C. Anivashi Senior Faculty National Institute of Criminology and Forensic Science, New Delhi.

Conferences organized

The two-day 'International Punjabi Conference, was organized on 2-3 March 2018. Dr. Manmohan Singh, former Prime Minister of India and an eminent economist and Satnam Singh Manak, Executive Editor of Ajit Group among other eminent speakers spoke about the mutually beneficial and enriching exchanges between language and literature in Punjabi, and the need for a re-assessment of the status of Punjabi in contemporary society

A workshop on "Novel Techniques of Fingerprints Development" for a batch of Police Officers from African countries was organised on 19 December 2017.

Seminars/Conferences/Presentations

Dr. G. S. Sodhi presented a paper entitled 'Phase transfer catalysis in aid of fingerprint development' at the Eighteenth All India Conference of Directors of Fingerprint Bureaux, held on 30-31 March 2017 at Haryana Police Academy, Karnal.

Dr. Vanita presented a paper on 'Gender Studies' at Sahitya Akademi on 18 May 2017 and at the International Conference on South Asian Women by Disha : Association of Women, Ontario, Canada from 12-14 June 2017.

Dr. Surinder Kaur presented her research paper titled, 'Impact of *Prosopis juliflora*, an aggressive invader on soil microbial communities in its rhizosphere' at 8th World Congress of Allelopathy held at Marseille, France from 24-28 July 2017.

Dr. Nachiketa Singh delivered two lectures on India's Foreign-Economic Relations at Academic Staff College, Himachal Pradesh University, Shimla in July, 2017.

Dr. Rajshree Dhali presented a paper titled '18 century: An age of Rajput Makeover of folk cults in Rajasthan' on at the Annual Conference of India International Society for Eighteenth-Century Studies (IISECS) held at Jawaharlal Nehru University, New Delhi on 9 March 2018.

Dr. Bipin Kumar Thakur presented a paper titled 'India's Economic and Political March under Modi Government: A New Idea of Inclusive Growth' at the Budapest Business School, University of Applied Sciences at the Oriental Business and Innovation Centre (OBIC) Conference held on 17-18 May 2017 in Budapest, Hungary.

Harpreet Kaur, Shashi, Surinder Kaur, Laxmi Narula, Komal Kamra, Rup Lal, Alan Warren presented a poster on 'Soil Contamination Reflects Changes in Ciliated Protist Community' at INSCR International Conference on 26-28 Sept 2017 at the University of Delhi, Delhi, India and awarded Best Poster in Conference under Plant - Animal Theme.

Number and name of Domestic/ International (MoUs) signed with partners.

The college has signed an MoU with University of Carleton for joint research projects including an exchange program for teachers and students, setting up of Science Research Centre at our college and organizing joint Teachers Training Program for new age teachers.

The college has signed an MoU for international collaboration with the University of the Witwatersrand, Johannesburg, South Africa, covering exchange of students and staff, joint research and projects, exchange of publications, and participation in doctoral and research programmes.

Placement Details

Percentage of students placed: 65, 75%.

Number of companies visited for campus recruitment: 42

Extension and outreach Activities

The college students participated in extensive cleaning of areas around Delhi Vishwavidyalaya metro station under 'Swachh Bharat Abhiyan' initiative from 1 to 15 August 2017. Friendly basketball match between wheelchair users and students to mark 'Spinal Cord Injury Day' on 5 September, 2017. Road Safety Awareness Camp was organised in February 2018. 'Bone Density Health Camp' was organised with ICC

(Internal Complaints Committee) on 23 February 2018, in the college premises. International Day of Yoga was organised on 26 June 2017 in college premises.

Library Development

The library is connected with Delhi University wide area campus networking system to NLIST (National Library and Information Services Infrastructure for Scholarly Content) and provides access to electronic resources to its users from Delhi University Library System (DULS) and UGC-INFONET Consortium. The library is computerized and books are easily accessible through OPAC (Online Public Access Catalogue). About 32 CCTV cameras installed in the library for security. Workshops & Training Programs are conducted for students at the commencement of the session.

College Post "The Higher Education Journal" Published by Niti Ayog has been subscribed by the Library for the period (2017-2018). Two Laptops installed for Visually Impaired Students to access Online Resources and Audio material from Braille Library website and around 2000 books have been added to the already existing collection.

Faculty Strength

Total number of Permanent Faculty: 98

Total number of Ad-hoc Faculty: 63

Financial allocation and utilization

Grant sanctioned: Rs. 42,12,66,832/-

Grant Utilized: Rs. 39,20,34,819/-

Other Significant Information

We are taking significant strides in infrastructure expansion, upgrading our science laboratories, sports and extra-curricular facilities and the library resources. Besides this, our teachers are constantly engaged in developing new pedagogical skills that are in tune with the advancement in Global E-Learning processes. The GAD-TLC has the mandate to be the OER (Open Educational Resource) provider in Chemistry, Commerce and Economics. For OER, the centre has innovated unique 'e-Teacher's Kit' which shall be prepared by teachers through these workshops and shall be made available to all the teachers at National Level. These kits are being developed for theory as well as practical based papers. The centre has state-of-art facilities consisting of one modern fully equipped training lab, core team meeting room, reception for registration, one audio-video studio with modern equipment. GAD-TLC is now working towards taking these workshops to teachers through Master Trainers to spread the knowledge of ICT tools. To supplement classroom teaching with visual aids, twenty-seven Wi-Fi enabled projectors have been installed in laboratories and the seminar room. The college has upgraded 7 science departments with huge amounts. For round-the-clock surveillance, the college campus is connected through Closed Circuit Television Camera System.

ST. STEPHEN'S COLLEGE

Major Activities and Achievements

St. Stephen's College has had a very fruitful academic year. St Stephen's College was placed at All-India number two position in the NIRF rankings. Fourteen non-teaching staff positions were filled following due procedures. Alumni portal of College was launched. The office block of College was renovated keeping in mind environmental factors and optimization of space.

Honours/Distinctions

Dr. Malay Neerav: Best faculty award, awarded by Enactus India, a part of SIFE (an NGO).

Dr. Bikram Phookun: The Indian National Science Academy (INSA) Teachers Award

Dr. Renish G Abraham visited the University of Cambridge on the 25th, 26th and 27th of October, 2017 as Teape Lecturer and delivered three public lectures on "Negotiating Hinduism and Christianity in the History of Kerala"

Dr. C. B. Jha received following two prestigious AWARDS during 2017-2018:

“ATAL MITHILA SAMMAN” Award, instituted by Hind Media Post and “VIDYASAGAR SAMMAN Award”, Instituted by Mandakini Sanskrit Vidwatparishat.

Dr. Jyotirmoy Maity had over five International publications during the year.

Dr. Sanil Unnikrishnan was visiting associate to the Inter-University center for Astronomy and Astrophysics, Pune.

Students with Distinction

Mr. Srijit Seal and Ms. Mudra Raheja conceptualized and co-ordinated the National Conference on scientific innovations- a two day event.

Several students excelled in extracurricular activities conducted through the Societies in College.

Students continued to fare well in sports.

Publications

Karen Gabriel, “Power of Porn Cultures”, In Nick Buxton and Deborah Eade (eds.), The State of Power Report, Amsterdam, The Transnational Institute (TNI), 2017.

Priyanka Thakral, S. Kukreti & A K Bakhshi. *In-silico* metaheuristic tailoring of quaternary copolymers; *Emerging Materials Research*, 6(2), 1-9, ISSN 2046-0147.

Jyotirmoy Maity, Neha Rana, Manish Kumar, Vinod Khatri, and Ashok K. Prasad. Enzymatic separation of epimeric 4-C-hydroxymethylated furanosugars: Synthesis of bicyclic nucleosides. In Beilstein. *Journal of Organic Chemistry*, 2017, 13, 2078-2086.

Singh, Digvijay Kumar, ‘Jews and Maritime Trade of Malabar, c. 11th-13th Centuries: Gleanings from the Business Letters from Cairo Geniza’, in Pius Malekandathil, Lotika Varadraj and Amar Farooqui, eds., India, the Portuguese and Maritime Interactions, New Delhi: *Primus Books*, 2018.

Research Projects

DRDO, 3 years, Development of macrocyclic receptors, 10 lakhs

DST, 3 years, Development of optical sensors, 15 lakh

DST, 3 years, Exploration of high performance polymers and nano-fillers to develop futuristic adhesives for joining metals, 3040000

Seminars Organized

Prof. Bharat Ratna, Centre for Theoretical Physics, August 14, 2017

Vice Admiral Retd. Pradeep Chauhan, Maritime security and why you should care?, February 2, 2018

Brig. Retd. B D Mishra, Interactive Seminars with Brig Retd. BD Mishra, September 9, 2017

Ms. Ira Singhal, Interactive session with Ira Singhal, February 2, 2018

Ms. Lalini Veerassamy, Migration crisis, June 1, 2018

Conference Organized

Academic Conclave was organized on 22nd, 23rd and 24th of March.

Over 100 talks by variety of professional across academic, sports, gender sensitization and other fields.

National Conference on Chemical Sciences, opportunities and challenges (NCCS-2018).

State level symposium on Algebra and its applications.

National Conference on “Enroute: Migration, narratives history and technologies.

Workshop series on mental health for students, faculty and non-teaching staff.

Seminars/Conference Presentations

Dr. Karen Gabriel was invited to present a paper, “Future Tense: Prospects for the Humanities”, Resource Person for the Curriculum Seminar-cum-Workshop titled ‘The Future of Humanities in the 21st Century’, March 24-25, 2018, organized by and at the School of Liberal Arts and Human Sciences, Auro University, Surat, Gujarat.

Dr. Sanil Unnikrishnan Presented a Seminar on “Consistency of the Inflationary Consistency Relation” at IUCAA, Pune on July 11, 2018.

Dr. Tasneem Suhrawardy presented a paper entitled, Inverting the truth: Humor, Wit, and satire in the Persian sources in the 16th century in National seminar on “Exploring Medieval India through Persian sources” at National Mission for Manuscripts and Centre for advanced study, Department of History, Aligarh Muslim University.

Dr. Naina Dayal Presented a paper titled “Sutas, Nastikas and Retelling the Mahabharata’ at an international seminar on ‘Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar, organized by The Book Review Literary Trust (and Kumkum Roy and Naina Dayal) at the India International Centre, New Delhi, March 15-17, 2018.

Dr. Sujoy John Presented a Paper at International Sports Management on March 8-10, 2018 08.03.2018.

Dr. Ekta Kundra presented a paper on ‘Investigation of toxic metabolism’ on National Science Day organized by IAS, Delhi and INSA, Bangalore.

National/International MoUs

MoU with Soka University, Japan and Middlebury University.

Placements details

Number of students placed: 53 with pay package ranges from 9.3 to 31 Lacs per annum

Number of companies visited campus: Approximately 90

Extension and Outreach activities

In February 2018, we had a visit by Venerable. Tashi Namgyal from the Spiti Development Society where he urged us to support the school in Spiti valley.

Hugely Successful Blood donation camp

Health awareness programmes

Stem Cell donation awareness, drive and

Organ donation drive

Green Diwali campaign

Earth hour and several motivational talks.

Library Development:

The College Library continued to develop its acquisitions and holdings and there was an increased spending on automation this year. Special exhibitions on Health and “College authors” were also held.

Faculty Strength

Total number of Permanent Faculty: 61

Total number of Ad-hoc Faculty: 30

Financial Allocation and Utilization:

Grant Sanctioned: Rs. 273,877,000/-

Grant Utilized: Rs. 255,286,527/-

SWAMI SHRADDHANAND COLLEGE

Major Activities and Achievements

A separate air-conditioned reading room, a separate well-maintained cabin for visually handicapped students of the college and an Internet browsing facility has been provided in the library

Students with Distinctions

College Cricket Team became inter college champion, consecutively for the fifth time. Rohan Rathi has contributed immensely by scoring three centuries in three consecutive inter-college matches. The team has won the 1st Inter College DDCA cricket tournament by defeating GGSCC in the finals. Himanshu Rana, Shubham Dahiya, Lalit Yadav and Rohan scored double century in Inter College DDCA cricket Tournament. The team also won the Gold in IInd T-20 Vikrant Memorial Cricket Tournament held at Una (HP).

Himanshu Rana, B.A. (P) II year represented India U-19 cricket Asia cup and World Cup and become the Man of the Series in Asia Cup Championship and Captain of U-19 Cricket Team.

Anuj Rawat, B.A. (P) I year represented India U-19 cricket Asia cup.

Deepak Khatri, Rohan Rathi, Jitesh Saroha, Manish, Subham Dahiya, Ramesh Prasad and Lakshya Thareja were selected for Delhi University Cricket Team for North Zone held at M.D. University Rohtak.

Lalit Yadav and Gaurav were selected for Delhi U-23 and Ranji Trophy.

Jitesh Saroha was selected for Haryana U-23 and Ranji Trophy.

Mohit Hooda was selected for Haryana U-23 as captain of the team and selected Ranji Trophy also.

Subham Dahiya was selected for North India in Vizy Trophy and became the man of match in semi final and final of the tournament.

Rohan Rathi and Saket Aggarwal were selected for Haryana U-23 Cricket.

Akhil Kuhar and Sagar Khatri were selected for Haryana U-19 cricket.

Jatin Shokeen was selected for Delhi U-19 Cricket.

Rohan Rathi was selected as Captain for Delhi University Cricket Team which participated in NORTH ZONE Inter University Cricket Championship.

Swami Shraddhanand College wrestling team became the champion in Inter College free style and Greeko Roman Wrestling Competition.

The winners under Free style includes” Pravesh Rana, B.A. (P) II year won the Gold Medal in 57 kg. weight category. Lokesh, B.A. Hindi (H) II year won the Gold Medal in 60 kg. weight category. Anuj Tushir B.A. (P) I year won the Gold Medal in 70 kg. weight Category. Pradeep Tomer, M.A. Hindi final year won the Gold Medal in 74 kg. weight Category. Sumit, B.A.(P)I year won the Silver Medal in 97kg.weight category and Ankit, B.A.(P)I year won the Gold Medal in 125kg.weight category. The winners under Greeko Roman includes Pappu, M.A.Previous year won the Silver Medal in 55kg weight category. Sachin Rana, B.A. (H) II yearwon the Gold Medal in 60kg. weight category. Sandeep, B.A. (H) I yearwon the Gold Medal in 63kg. weight category.Satpal Dahiya, B.A. (H) III yearwon the Gold Medal in 67kg. weight category. Veer Singh, B.A. (H) I yearwon the Gold Medal in 72kg. weight category and Bhanu Parksah Khatri, B.A.(P)II year won the Gold Medal in 97kg.weight category.

In the Inter College Athletic Championship Pushp Tomer won the Silver Medal in Discuss.

Badal won the Gold Medal in open in 87 kg. weight category in the Inter College Taekwondo Competition also represented Delhi University in All India University Taekwondo championship held at GNDU Amritsar.

College team won the Gold Medal in Inter College Kabaddi Tournament.

Publications

Saraswati Kanodia Published a paper titled “Conversion of Urban waste into highly nutritious food by Pleurotus cultivation” in IOSR-Journal of Biotechnology and Biochemistry, vol.3, no.4, 2017, pp.15-1

Pradeep Pratap Singh contributed four chapters in International Books namely “Recent trends in sol-gel based nanoceramics” published by Pan Stanford: Singapore, 2017. (ISBN: 9789814774307), “Ruthenium compounds: A new approach in nanochemistry” published by Pan Stanford: Singapore, 2018. (ISBN: 9789814774390); “Nanotechnology: An emerging field for sustainable water resources”, publishedby Wiley-Scrivener, USA. (ISBN: 9781119323594); “Biopolymers: Recent trends and their applications”2017, 271-286, published by Nova Science, New York, USA. (ISBN: 9781536118469).

Minakshi, R., Rahaman, S., Jan, A. T., Archana, A. and Kim, J. (2017) Implications of Ageing and Endoplasmic Reticulum Unfolded Protein Response (UPR) in the Molecular Modality of Breast Cancer. Nature Experimental & Molecular Medicine. EMM2017173RR (Impact Factor 5.164) (49): e389.

Rahaman, S., Archana, A., Azam, M. and Minakshi, R. (2017) Role of osmolytes and their transporter systems in pathogen survival and pathogenicity. *Current Drug Metabolism*. BSP-CDM- 2017-HT8- 40. (Impact factor 2.74). [In print].

A. Archana, Lakshna Mahajan, Safikur Rahman, R. Minakshi. (2018) Invited Chapter "Post Translational Modifications in Human Therapeutics produced in Plant-Expression Systems" for book "Dar - Protein Modificomics". Elsevier Publications. (In press). ISBN: 978-0128119136.

Tyagi Ashish, Anjali Maan, Dharamvir Singh Ahlawat, Vinod Prasad (2017) "Effect of aligning pulse train on the orientation and alignment of a molecule in presence of orienting pulse" *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 173 (2017) 13–18

Seminars/ workshops organized

Mrs. Ruchika Gulati organised One Day National Seminar on 'Autobiography : Writing Self, Society and Nation', at Swami Shraddhanand College, Delhi University on February , 28th, 2018

Dept of zoology One day symposium on "Biotechnology and Human Health" at Swami Shraddhanand College, Alipur, Delhi-36 on January 12, 2018. Professor Yogendra Singh delivered a talk on Bacterial Pathogenesis and Prof. M. Hussain talked about HIV.

Conference Organized

Department of Botany and Society for Environment and Development, India (SED-INDIA) organized the three-day national conference on "Emerging Environmental Challenges and Sustainable Development-2018 (EECSD-2018)" on 21-23 March 2018.

The Department of commerce organized an International conference on "Sustainable Development of The society: Current Trends and Future outlook" on 26-28 August 2017.

The Department of Computer Science organised a one day workshop on "Big Data Hadoop" in association with IBM on 22 March 2018.

Department of English organised a National Seminar on "Autobiography: Writing Self, Society and Nation" on 28 February 2018

Seminars/Conferences/Presentations

Dr. Saraswati Kanodia presented a poster on 'Microwave Accelerated Green method for the selective chlorination of 1,4-Quinones' presented at UGC sponsored National Conference organized by Aditi Mahavidyalaya Univ. of Delhi, Delhi on 10-11 Oct. 2017.

Dr. L. R. Paliwal, presented a paper on 'A Conceptual Study on: Impact of Digital India Campaign on Digital Marketing' in an International Conference organised by INSPIRA RESEARCH ASSOCIATION (IRA), Jaipur, Rajasthan at (Venue) LBS PG College, Jaipur, Rajasthan on 02-03 February 2018.

Dr Jagbir Singh kadyan served as an Organising Secretary in 6th International Conference on, "Sustainable Development of the Society: Current Trends & Future Outlook" IC-SDSCTFO-2017, Organised by Dept. of Commerce, Swami Shraddhanand College, University of Delhi in association with South Asia Development Association on dated, 26-28 August 2017.

Ms. Chetana Hooda presented a research article in the Department of English seminar on Autobiography titled "Binodhini Dasi: An Alternate Chronicler".

Dr. A.K. Dubey delivered University Series Lecture on topic "The Ethics of Research and Plagiarism in the Higher Education" at Vinoba Bhave University, Hazaribagh on 8 May 2017.

Library services

The college offers ample reading room and library to the students and faculty. There are about 1,00,000 books in the library at present and about 2,000 books are added every year. The library is housed in the spacious two floor annex of the new college building. The library subscribes to more than 40 journals and periodicals and 24 newspapers which provide the latest information on current events and affairs. Large-scale computerization of the library is under progress and internet facility is already available in the college. Computer room in the library will soon be fitted with air conditioners. A display board displaying the latest books and periodicals has been set up in the reading room which is of great help to students and teachers alike. A separate reading room for teachers is ready provides the much-needed space for teachers to work and prepare their lectures. Differently abled members have been provided a separate well maintained cabin with computer facility. To search different type of E-materials, Internet browsing facility is available in the library.

Extension and Outreach Activities

Women development cell

Organized different activities in the college:

Poster Competition was organized on “The Power of Adolescent, Vision 2030”. It was the theme for International Girl Child Day 2017.16.10.2017

A seminar on “Why my knee hurts?” 14 November 2017 by speaker, Dr. Shekhar Srivastav, Senior Consultant, Orthopedic Department

A ten day Self-Defence Workshop for girl students was organized from 15- 27 February 2018 by Delhi Police under the initiative ‘Sashakti’. The training was imparted by Head Constable Mrs. Bharti Wadhwa and Constable Miss Sunita Yadav. The occasion was graced by DCP Rishipal, ACP Sunita Sharma (Special Police Unit for Women and Children, PTS Malviya Nagar, New Delhi), ACP Dinesh Kumar, ACP Rajneesh and SHO Suresh Kumar.

VIVEKANANDA COLLEGE

Major Activities and Achievements

The college was accredited with Grade ‘A’ by the NAAC Peer Team. The IQAC has sincerely strived to initiate a mutually learning and growing ambience in the college premises. Its noteworthy endeavours are: By the Faculty, For the Faculty lecture series: One teacher from each department gave presentation on a topic of common interest and importance for all faculty members. The college also organizes Parents Teachers meetings in each Department and take feedback from students on various aspects of campus life

Students with Distinctions

College won the first prize in the competition held by the prestigious NIMHANS, Bangalore during the mental awareness week

The College Hockey team was placed 4th in the Inter College Tournament held in November 2017.

The College Yoga team secured 1st position in National Yoga Championship in 2017 held at Panipat.

Publications

Jain, S., Jain, P., Jain, S. (2017) Generalized convolution inequalities and application Mediterr. *J.Math* .14:159.

Mishra, R. and Sondhi, V. (2017) “Eliminating child-care residential institutions from the national scenario: Is it warranted?” *International Journal for Social Development*, 5(4), 14-33.

Pde, Sophia. (2017) ‘Folklore, Identity and Change: The Khasis of Meghalaya’. *International Journal for Innovative Research in Multidisciplinary Field* , 3 (2). ISSN: 2455-0620.

Suri, Dr. Sukhneet; Jan, S., & Suri, S. (2017) “Assessing consumer behaviour for value added innovative products.” *International Journal of Home Science*, 3(2), 572-576.

Sunil, S. & Verma S.K. (2018) “Moral Socialization: The Role of Parents.” *International Journal of Social Science Review* 6(1), 165-170

Kalia, Yojna and Kumari, Saroj. (2017) *Stri Lekhan ka Doosra Paridrishya*; Bhawna Prakashan; ISBN - 978-81-7667-337-2

Seth, S., Bhatia, H., and Chadha, N.K. (2018) *Counselling Skills: Knowing Self and Others*. India: The Readers Paradise. (ISBN:978-93-85958-89-2)

Mishra, Y. (2017) “Role of Women in the Indian Freedom Movement.” *India Foundation*, 4 (July-August). ISSN 2347 – 1522

Nandrajog, Hina. (2017) ‘Echoes of the Flute: Songs and Stories of Love and Longing of the Gaddi Tribe’ *Re-Storying the Indigenous and the Popular Imaginary*. New Delhi: Authorspress. Pg. 77-95. ISBN 978-93-5207-385-6

Nandrajog, Hina. (2018) ‘Refugees of the Partition of India: Trauma and Strategies of Recovery’ *The Psychological Impact of the Partition of India*, eds. Sanjeev Jain & Alok Sarin. New Delhi: Sage Publications. ISBN 978-93-528-0650-8(HB)

Research Projects

UGC 12th Plan Funds for Research & Innovation Club constituting of teachers (Dr. Sukhneet Suri as convenor and Dr. Arushi Jain) and student members from B.A. (Prog.) Rs. 27,300/-

Seminars Organised

IQAC of the college organized a National Seminar on “Quality Management Systems for College Administration” on 12 February, 2018.

Seminar/Conferences Presentations

Dr. Hina Nandrajog “Montage of Conflict and Trauma: Partition Literature and Translation,” ‘Conflicting Ideologies and Cultural Mediation – Hearing, Interpreting, Translating Global Voices’, The 8th Asian Translation Tradition Conference at School of Oriental and Asian Studies, 5-7 July 2017

Dr. Hina Nandrajog “Poisoned Rivers: Partition in Punjabi Literature” International Interdisciplinary Seminar entitled India @ 70: Memories and Histories at IIT, Kharagpur, 3-4 January 2018.

Dr. Neeta Mathur presented paper and her paper published ‘Hindustan Shahtriya Gaan Vidhaan me braj bhasha sahitya ka yagdan’, held by Department of Music, Mumbai University, 10th January, 2018

Dr. Sunil Verma and Dr. Shivantika Sharad “Masculinity is a trap: a study on managing gender dynamics, male victimization and marginalization” presented at NAOP held between 22nd to 24th December 2017

Dr. Sandhya Jain “Weighted norm inequalities involving various convolutions” Dr. Sandhya Jain at IMS from 12-15 Dec. 2017

Placement Details

Number and Percentage of Students Placed:	98
Number of Companies visited for campus recruitment:	15

Library Development

Library collection has reached to 63155 books along with 46 periodicals, audio-visual material and e-resources. This year Library recorded approximate 40072 footfalls along with more than 31000 circulation transactions. 234 students benefitted from Book Bank scheme and 678 books were issued in the current semester. Transactions through Inter Library Loan of DELNET were also carried out.

Faculty Strength

Permanent Faculty:	45
Ad-hoc Faculty:	60

Financial Allocation and Utilization

Grant sanctioned (UGC):	Rs.33,32,85,000/-
Grant sanctioned (Delhi Govt.):	Rs.30,00,000/-
Grant Utilized (UGC):	Rs.17,98,31,292/-
Grant Utilized (Delhi Govt):	Rs.76,17,480.60/-

ZAKIR HUSAIN DELHI COLLEGE

Major activities and achievements

The College organized two international conferences in collaboration with University of Delhi, Nehru memorial Museum and Library and Embassy of Vietnam. The College was also a partner in the regional conclave on ASEAN@50 and India-ASEAN relations held in Bengaluru. At the 60th Delhi University Flower Show, the college won a total of 125 prizes and 11 cups. Our Herbal garden won the Meenakshi Gopinath cup for the fourth consecutive year. The Rose and Rock gardens won the second prize in their respective categories. The theatre society of the college, AMAN's production *Akee*, was adjudged the best-directed play in Sahitya Kala Parishad's Mahavidyala Naatya Samaroh. AMAN's second production *Meer*, an adaptation of Shakespeare's *Macbeth*, was the runner-up in Shakespeare Society of India's National Drama Competition.

Honours/Distinctions

Zakir Husain Delhi College Won the Best Website Award on 96th Foundation Day of the University of Delhi held on 1 May, 2018 – College Category.

The college won Plastic Free College of the Year Award at the National Environment Convention 2018 (47th World Environment Day Celebrations) jointly organised by Indian Institute of Ecology and Environment, New Delhi and National Institute of Cleanliness Education and Research (NICER) on 5-6 June 2018.

Students with Distinctions

The college football team won the National Football Championship organized by Reliance Foundation Youth Sports.

The men's judo team won the inter-college competition organized by the Delhi University Sports Council.

Two NCC cadets and seven cadets took part in of in the Republic day parade and the Amar Jawan Jyoti Ceremony respectively

Publications

Bhargava, M, Wattal, R.K., Jehan, T., Kumar, S. and Kumari, S. (2017) Phytochemically Unexplored Medicinal Plants: An Introduction. *Scope of Phytochemically Unexplored Medicinal Plants*. New Delhi, Delhi: Enriched Publications.

Chaturvedi, N. (2018) Christian Devotional Poetry and Sanskrit Hermeneutics. *International Journal of Asian Christianity*, 1(1), 64-90.

Khan, I., Raza, N. (2017) *Emerging trends in academic libraries and librarianship*. New Delhi, Delhi: Book Age Publications.

Mathur, P., Singh, V.P., Kapoor, R. (2017) Interactive effects of CO₂ concentrations and *Alternaria brassicae* (Berk.) Sacc. infection on defense signalling in *Brassica juncea* (L.) Czern. & Coss. *European Journal of Plant Pathology*. (<https://doi.org/10.1007/s10658-017-1328-7>).

Naqvi, S.A. (2018) 'Higher Education, Autonomy and Social Justice: Keeping the Poor, Poor'. *Revolutionary Democracy*, XXIV(2).

Qasim, Mohd, (2017) *Namazaur us kiRooh*. New Delhi, Delhi: Al Ittehad Publication Pvt. Ltd.

Quamruddin, Md. ed. (2017). *Arabi Me MaharatKeTareeqe*. New Delhi, Delhi: JMC India Publishers Pvt. Ltd.

Singh, Shraddha A. (2017) "Forging a Digital and Public Identity: The Self-fashioning of Margaret Atwood", *Lapis Lazuli: An International Literary Journal*, 7(1), 413-426.

Trivedi, Sonu, Sinha, Shakti eds. (2018) *Emerging Horizons in India-Vietnam Relations*. New Delhi, Delhi: Pentagon Press.

Trivedi, Sonu (2018) Balance-sheet of India-ASEAN Partnership@25, *India Foundation Journal*, 6 (1) 23-31.

Seminars Organized:

National Conference on "Genetics – Environment Interface: Science and Spirituality" was organized by Department of Botany on 25 January 2018. Hon'ble Union Minister Dr. Harshvardhan delivered the inaugural address at this conference.

One day seminar on "Artificial Intelligence" was organised by the Department of Chemistry in October 2017.

English Literary Society organised 3rd Annual National Students' Seminar on 28 February 2018. Dr. B. Mangalam delivered the keynote address.

A two-day national seminar was organized on "Indian Dalit literature and Gender Consciousness" by Hindi Sahitya Sabha on 11-12 October 2017

Seminar/Conference Presentations

Dr. Abdul Wahid Farooqi presented two papers in international conferences organized by Department of Commerce, Aligarh Muslim University and Department of Commerce, University of Lucknow

Dr. Mohammed Afzal presented a paper in the national seminar organised by Department of English, Aligarh Muslim University on 25-26 October 2017.

Dr. Suraiya Khan presented and published a paper in an international conference held at PGDAV College. In addition, she presented four papers in national conferences.

Dr. Ariba Zaidi presented a paper at the Third International Conference on Philosophy of Mind at the School Of Medicine, University of Minho, Portugal. She also presented a paper in the International Conference at Sri Mata Vaishno Devi University, Katra.

Dr. Md. Aftab Alam was invited to deliver talks at various institutions including UGC Academic Staff College, JMI, New Delhi, Asian Human Rights Commission, Hong Kong, International Islamic University Malaya, Kuala Lumpur, Malaysia, University of Malaya, Kuala Lumpur, Malaysia, Okan Universitesi, Istanbul, Turkey, Universitas Padjadjaran, Bandung, Indonesia, University of Westminster, London, UK, University of California Los Angeles (UCLA), University of Southern California (USC), Los Angeles, and University of Nevada, Las Vegas, USA in 2017.

Placement Details

Number of students offered jobs: 54

Number of students received internship opportunities at The Job Fair 2018:100

Faculty Strength

Total number of Permanent Faculty: 138

Total number of Ad-hoc Faculty: 80

Financial Allocation and Utilization

Grant sanctioned:Rs. 4,49,97,000/-

Grant Utilized:Rs. 4,51,36,000/-

ZAKIR HUSAIN POST GRADUATE EVENING COLLEGE

Major activities and achievements

The 2nd Annual Convocation of the college was held on 2nd April, 2018. The Chief Guest for the occasion was Professor Jagadish Mukhi, Honourable Governor of Assam. 3rd International Yoga Day: It was celebrated on 21st June 2017. Swachhta Pakhwara was celebrated during 1-15 August 2017. Rashtriya EktaDiwas was organized on 31 October 2017 on which students and the faculty members took the Unity pledge. On 7th February 2018, an All India Mushaira was organized which was presided over by eminent Urdu poet & scholar Prof. Shahper Rasool, Vice -Chancellor, Delhi Urdu Academy and Head of the Department of Urdu (JMI).

Honours/Distinctions

Dr Munshi Md. Younus, Department of Bengali, received a token of honor from Barak Upotokka Bongosahitya O sanaskriti Sommelon, Assam, on 14 October 2017.

Dr Manjula Gupta, Associate Professor, Department of Sanskrit, was awarded the Sanskrit Samaradhak Samman 2017-18 by Delhi Sanskrit Academy.

Dr Anju, Department of Sanskrit was awarded the Sanskrit Samaradhak Samman 2017-18 by Delhi Sanskrit Academy.

Dr Babli Parveen, Department of History, was awarded the Young Academician Award for contribution in Education, 6th Global Economic Summit, WTC, Mumbai, 21 March 2017 and Women Educationist of the Year award for brilliance in the field of education and literature, 7th Asiad Literature Festival, IIC, 17 March 2018.

Publications

Babli, P. (2017) *Islam in India* (ed.). Paris: Manakin Press.

Khursheed, A. (2017) *Intekhabe Nasre Classic e Farsi*. New Delhi: Great Book Contractor.

Madhumita, C. (2017) *English Communication Skills*. New Delhi: Macmillan India.

Chaudhary, M.A. (2017) Totally Real Sub-manifolds in a generalized complex space form. *Asian European Journals of Mathematics*, 10(1).

Younus, M.M. (2018) *Mohasutra*. Kolkata: Shambhabi.

Younus, M.M. (2018) *New Delhi Junction* (ed.). New Delhi: Hawakal

Baishya, S.K. (2017) Theatre of the Spectacle: A Study of Bhraamyamaan Theatre in Assam. *The Creative Launcher*, 2(5): 99-108.

Baishya, S.K. (2017) The Popular Dimensions of Bhraamyamaan Theatre in Assam. *The New Man International Journal of Multidisciplinary Studies*, 4(11):5-11.

Subrat K Rout. (2017) Caste Hierarchies & Social Tensions in Cuttack: 1920-30. *History & Sociology of South Asia*, 11(2).

Vikas Singh. (2017) *Natakiya Paaribhashik Shabdavali*, New Delhi: Sanjay Prakashan.

Research Projects

UGC Research Project: Hindi Rangmanch ke Vikas me Natya Sansthaon ka Yogdaan by Dr Anil Sharma, Assistant Professor, Department of Hindi

Seminars Organized

The College organized the Third Mirza Mehmood Memorial Lecture on 11 April 2018. Padmashree Professor Sukhadeo Thorat delivered a lecture on 'Minorities and Challenges of Higher Education'

Student union of the college organized a seminar on career counselling and management and a lecture on. The Sahitya Akademi Yuva Puraskar winner, Nilotpal Mrinal delivered the lecture on "Literature and Politics".

The Film and Photography Society and English Literary Society of the College jointly organized a lecture by Dr Ravikant from CSDS, Delhi on *Literature, Cinema and Partition*.

Eco Club in association with Environmental Society organized a lecture on "Wetland: Importance, Conservation and Restoration" on 01 February 2018. Mr. Nawin Kumar Tiwari, IP College for Women, University of Delhi delivered a lecture on wetlands, their functions, importance and status of wetland in India.

Department of History organized two lectures On 27 March, 2018. Professor Partho Datta (JNU) delivered a lecture on the 18th century Indian History.

Conferences organised

Eco-Club of the college organized its third national conference on the topic "Environmental concerns of 21st century: Indian and Global context" on 27- 28 March 2018 in association with Department of Environmental Studies, University of Delhi.

The Department of Philosophy organized a two-day National Workshop on the 'Philosophical Thoughts of Dr B.R. Ambedkar' on 23-24 March 2018.

The Department of Political Science, in collaboration with National Service Scheme (NSS), organized a national conference on the topic "Dalit Politics in 21st Century: Ideology, Agenda, Leadership" on 22-23 March 2018.

The Gandhi Study Circle, in association with Gandhi Smriti and Darshan Samiti and Indialogue Foundation, New Delhi, organized a National Seminar on "Revisiting Champaran: Challenges of Satyagraha in 21st Century", on 16-17 October 2017. The Vision Indian Research Centre (VIRC), New Delhi was the academic partner of the conference.

Department of Sanskrit organized a two days National Symposium on "Understanding Ashoka and Ashokan Brahmi" on 10-11 April 2018.

Seminar/ Conference Presentations

Dr Sanjib Kumar Baishya, Department of English presented a paper titled “Voices from the Margin: A Study of Women Characters in Select Movies by Bhabendranath Saikia” in a National Seminar “Recasting the Subaltern: Visual Media in the North-East India” organized by the SC/ST Advisory Committee and the North-East Society, Satyawati College, University of Delhi on 31 January 2018.

Dr Sanjib Kumar Baishya, Department of English, presented a paper titled “The Silenced Voices: A Critical Analysis of *Train to Pakistan* and its Cinematic Adaptation”, in a National Seminar on “Decoding the Partition L(i/a)nes: Reflections on Language, Literature and Culture”, organized by Kirori Mal College, University of Delhi, in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Govt. of India on 6-7 February 2018.

Dr Subrat K Rout presented a paper titled "Rethinking the Paik Rebellion of 1817" at National History Symposium IIC, New Delhi 21-22 October 2017.

Dr Babli Parveen, Department of History, presented a paper titled “Buddhism the religion of peace and Piety: Buddhism in Indian History”, at International Conference on Religion in Early Historic Asia, Kelaniya University, Sri Lanka, 24 March 2017.

Ms Amreen, Department of Political Science, present a paper titled “Mussalman Auratein tatha Unka Sangharsh” at the workshop on “Democratizing Space, Norms and Values: Understanding Feminist Methodology”, organised by the Department of Political Science, Delhi University, September 18-22, 2017.

Placement Details:

An internship program was conducted by Sharekhan Ltd. on 22 February 2018, in which 50 students participated and finally after the process 18 students were selected for the internship.

A placement program was conducted by Genpact on 16 April 2018, in which 60 students participated and finally after the interview process, 11 students were selected

Extension and Outreach Activities

Our cadets along with Capt. (Dr.) M.M. Raheman organized an awareness drive regarding cashless economy. Areas like the New Delhi railway station, Ajmeri Gate, Turkman Gate and the colony beside the college were covered in this awareness drive. Our cadets educated people unaware of the cashless transactions about how to use e-currency to pay for their daily needs. Cadets under the leadership and guidance of Capt. (Dr.) M.M. Raheman took up the work of cleaning the vicinity of the college under the Swachh Bharat Abhiyan. A door to door campaign for cleanliness in slum (Shakur ki Dandi) was organised on 8 August 2017 by NSS Volunteers who were accompanied by their program officer and went to the nearby slum area Shakur ki Dandi. The NSS Unit of the college distributed warm clothes to the unprivileged people near Jama Masjid (Meena Bazar locality) and distributed warm clothes on 11 November 2017.

Library Development

Three new computers have been installed for Circulation and Technical work in the library. Sitting capacity of main Reading Hall is increased by 20 chairs. One Computer set with Printer and Scanner has been installed in the Teachers’ Reading Room of the Library for the use of Conference/Seminar etc. One Computer Lab Cum Teacher’s Reading Room with full infrastructure i.e. Laptop and Projector with 24 sitting capacity is specially developed in the Library.

Faculty Strength

Total number of faculty: 50

Financial Allocation and Utilization

Grant sanctioned: Rs.21,66,92,000/-

Grant Utilized: Rs.18,94,07,000/

UNIVERSITY HOSTELS/HALLS

AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN

Major Activities and Achievements

- I. During the reporting period, various cultural activities were held in the Hostel such as Fresher's welcome, Diwali, Christmas, Lohri & Holi celebrations. While Independence Day and Republic day were celebrated by hoisting the National Flag, singing the National anthem and distribution of sweets & snacks among the residents and staff.
- II. The annual function of the Hostel was celebrated on 24th March, 2018 with Prof. J.P. Khurana, Pro-Vice Chancellor (officiating) of University of Delhi & Director South Campus, as the Chief Guest.

Hostel Committees

The Hostel has following committees: Mess Committee, Sports Committee, Anti Ragging Committee, Anti Smoking Committee, Anti Sexual Harassment & Anti-Discrimination Committee, North East Students' Welfare Committee, Disaster Management and Preparedness Committee

Facilities

The Hostel has several facilities:

PWD friendly washroom; Ramp for PWD; Common Room (T.V. & Projector); Computer Room (Air-conditioned); Library (Air-conditioned); Mess (Air-conditioned); Gymnasium (Cardio-vascular equipments); Laundry Room (fully automatic washing machines); Solar Water Heater; Fridge, microwave and hotplate on each wing of each floor; Water purifiers; Cleaning staff for cleaning of residents' rooms along with common areas; Extensive lawns for morning and evening walk; Badminton court; CCTV surveillance.

ARAVALI POST GRADUATE MEN'S HOSTEL

The Aravali PG Men's Hostel organised Annual cultural event "MILANGE 2017" along with the Saramati Hostel on 07 Apr 2017. This year, special emphasis was given to showcase the north eastern cultural heritage. In addition, the hostel also celebrated New Year evening and national festivals like Independence Day, Republic Day and national flag was unfurled in presence of hostel residents and staffs.

Hostel Committees

Every year Hostel Authority forms disciplinary committee, cultural committee, mess committee, sports committee for smooth functioning of various hostel facilities.

Hostel Facilities

Hostel has TV room, common reading room with several newspapers and magazines. The hostel also provides has sports facilities for indoor games such as table tennis, chess and carom etc. Hostel is equipped with modern Wi-Fi facility to provide smoother and faster internet service to the residents. Hostel has installed CCTV with 5 cameras at the required places to have a better security system and surveillance.

Other significant Information

Hostel has a double occupancy Guest Room equipped with the Air Conditioner and Heat Convector, Utility Room with the Desert Cooler. Both of the facilities are open for the visiting guests and parents of the residents.

CENTRAL INSTITUTE OF EDUCATION HOSTEL

Major Activities and Achievements

The Central Institute of Education has two hostels, Shree Bhawan for women and Shakti Bhawan for men, established in 1950. Shree Bhawan has eight rooms accommodating twenty three female students and

Shakti Bhawan has three dormitories and one two seater room accommodating twenty four male students. The hostels accommodate students from B.Ed., M.Ed., M.Phil. and Ph.D. programmes. There is one visitor's room with TV and reading shelves facilities. Apart from the general books of reading shelves, periodic magazines and regular newspaper facilities are also available for the residents. Sports facility is provided to the student through departmental arrangements. The Resident used to celebrate the different festivals in the Hostel in different ways. Residents used to give their feed back in form of face to face discussion, debate, NukaadNatak. The Hostel Mess used to be maintained by the Hostel Residents. Every month a new committee is formed with two Men's & Women's Residents. They prepare the Hostel menu in consultation with the Warden/Resident Tutor. This inculcates the sense of belongingness and responsibility among the residents. Apart from the Hostel Mess Committee, there are cleanliness and grievance committees. The Hostel organize periodic meetings with the issues related to awareness and general maintenance.

Annual excursion was planned to Agra to visit TajMahal and Red Fort. Such excursion develops a sense of relatedness, co-operation and collegiality among students.

The Hostel has following committees: Discipline Committee, Mess Committee, Cleanliness Committee

D. S. KOTHARI HOSTEL

Major Activities and Achievements

Annual Function – Annual function was organised on 31st March, 2018 by Students Union of D.S. Kothari Hostel. The Chief Guest was Prof. H. S. Prasad, Chairperson, D.S. Kothari Hostel. The function was attended by more than 700 students and many hostel authorities from across 15 Hostel, 13 colleges and many Departments of Delhi University.

Alumni Meet: - The first Alumni meet of the hostel was organised on 31st March, 2018. 43rd Alumni attended the first alumni meet. Dr. Mrutyunjay Suar, Director, KIIT School of Biotechnology has also attended the alumni meet.

Fresher's Function: - After admission of the students, a fresher party/function has been organised every year by the student union of D.S. Kothari Hostel. The new residents are welcomed by the members of student's union.

The festivals celebrated in the hostel are:- *Independence Day, Id-ul-Zuha, Mahatma Gandhi Birthday, Dussehra, Diwali, Christmas Day, New Year, Lohri, Republic Day, Saraswati Pooja, Holi*

The Hostel has Discipline committee, Mess committee, Cleanliness committee.

Among the several facilities in the hostel, a few are mentioned below: Common Room, T.V. Room, Mess, Laundry, Computer Room, Union Room cum Reading Room, Gym Room, Guest Room, First Aid Box, PWD Friendly Resources, CCTV Camera

Other Significant Information:-

Hostel authorities and residents initiated sports meet.

The construction of Green House is under process.

The Flower Show Committee Cup was awarded to hostel Mali on 60th Annual Flower Show held on 23rd February, 2018

Special merit certificate and cash was awarded to hostel Mali on the 60th Annual Flower Show.

The hostel has recently developed a website i.e. www.kotharihostel.du.ac.in. All the information relating to the hostel administration, hostel facilities, admission rules etc. are available on the website.

DEPARTMENT OF SOCIAL WORK HOSTEL

Activities and Achievements

Hostel Club organizes Cultural programmes such as Fresher Party, Hostel Night, Farewell Party programmes in a year.

The Hostel has the following committees:

Anti Ragging Committee, Anti Smoking Committee, Safety and Security Committee for North Eastern Students, Advisory Committee, Holi Committee, Hostel Club Union

The Hostel has the following Facilities:

Student managed Mess, Lawns, Common Room (with TV and news paper & magazines).

GEETANJALI HOSTEL

Major Activities and Achievements

The hostel organised a number of events in 2017-2018. Independence day, A Rangoli competition, Deepawali, “Swachh Bharat Abhiyan”, Sports events, Republic day.

The students of English literature club put forth an interesting concept of ‘Colloquy’ in which they gather to discuss their experiences on a particular topic.

The hostel held a Health Camp in collaboration with WUS health facility on campus and BLK hospital for the students on the 24th of January, 2018.

The annual cultural event, Mridang 2018 was held on 23rd February 2018. The residents participated enthusiastically and in large numbers. The occasion was graced by Prof SushmaYadav as the Chief Guest and Prof JP Khurana as the Guest of Honour.

Geetanjali hostel hosted CSR Research foundation in organizing a workshop/awareness program on women health care, hygiene, gender sensitivity and women empowerment and on this occasion installed a ‘Sanitary Pad Dispensing machine’ on the hostel premises.

The Hostel Committees include: Anti-Ragging committee, Anti-racial discrimination committee, Anti-tobacco and drug abuse committee:

The Hostel has several facilities for students, such as:

Well-equipped gym and sport equipment, Music system with speaker, Computer facility, Sanitary Pad dispensing machine. Library with some books for general reading, Refrigerators on each floor, Induction cook top for each floor, Reading Room, Microwave.

Other Significant Information

The hostel is secure with sufficient lighting on the premises and four CCTV cameras at relevant areas. Four security guards are shuffled duties to maximize their efficiency

GWYER HALL

Gwyer Hall is the oldest and prestigious men’s Post Graduate Hostel of the University of Delhi. This is unique distinctive feature of this hostel where students and faculty members live and dine together. Over the years Gwyerians have made their presence felt in all walks of life in India and abroad. The hostel takes necessary step to ensure that the spirit and rich heritage that have survived over the years of its existence continues to flourish.

Admissions: Like in previous year there was a great rush for admission in this Hall during the current academic year 2017-2018 and about 477 applications were received from students pursuing Master’s, LL.B., CIC, M.Phil, Ph.D., B.Ed. M.Ed. programme of the University. The Admission Committee, after careful scrutiny, filled up the vacant seats attached to various departments of the University. The admission was granted purely strictly on the basis of merit.

Development: Extensive use of the Digital Library took place in the year 2017-2018 as 13 computers were purchased out of the Special Grant given by the Hon’ble Member of Parliament (Mr. ManojTewari) and installed in the Digital Library. This year, three Air Conditioner have been installed in the Common Room which were gifted/donated by the Film Producer. Leveling of four big lawns have been done and new grass of high quality has been grown which has added beauty to the lawns

Union Elections: Election to the various posts of Gwyer Hall was conducted peacefully during the session in accordance with the provision of Lyngdoh Committee. Hygienic Measures: In order to augment hygiene facilities, steps have been taken to get the overhead water tanks cleaned from time to time. Measures were also taken to ensure cleanliness all over the Hall including Kitchen, Pantry, Store and Toilets on priority.

Festivals and Functions: The Gwyer Hall participated in the 60th Annual Flower Show organised by the University of Delhi and won cash reward and awarded seven prizes (Kali Charan Agarwal Award, The Platinum Jubilee Cup, College of Nursing Cup and Department of Sanskrit Cup) for the year 2017-2018.

The Hall residents organised various functions to mark and celebrate on the occasion like Buddha Purnima, Independence Day, Diwali, Christmas, New Year, Republic Day, Saraswati Puja, Id-ul-Fitr, Holi and B.R. Ambedkar Birth Anniversary.

The residents of the Gwyer Hall organised & celebrated a special function on completion of 80 years of its establishment and Alumni Meet on 20th and 31st April 2018 respectively. Shri Kailash Satyarthi (Noble Laureate) and Dr. Karan Singh (Ex-Member of Parliament) graced the events as Chief Guests on Annual Function and K. N. Choubey (ADG, BSF) graced the Alumni Meet on 21st April 2018.

Wifi : Wi-Fi facility has been provided to the residents of the Hall by the University.

Sports: The residents participated in the intra-hostel Volleyball, Cricket, Football, Table Tennis & Badminton Tournament organised by the Gwyer Hall Student's Union.

Facilities for PwD Residents: Toilet has been constructed for PwD students and ramp for PwD student has also been constructed. Seven rooms, Gymnasium and Reading Room accessible for PwD students has also been constructed.

INTERNATIONAL STUDENT'S HOUSE

The International Students' House was set up in 1964 by Indian Council for Cultural Relations, Ministry of External Affairs for foreign students and postgraduate Indian students. There are 98 rooms and all are single seated. During the academic year 2017-18, 71 foreign students from 32 countries in addition to 30 Indian students were admitted in the House, presenting an amalgamation and diverse mosaic of International and Indian cultures. Because of its international nature, ISH occupies a special position in the hostel system of Delhi University.

Major Activities and Achievements

Ever since, its inception, the ISH has been acclaimed for its diversified cultural activities. As the hostellers are considered to be the children of hostel, the ISH authorities work upon the growth of their hostellers with some specific skill based cultural & sports activities.

The highlights of some activities are given below:

The House celebrated Independence Day, Deepawali, Christmas, New Year's Day, Republic Day, Lohri, Swami Vivekananda Jayanti, Id-ul-Fitr, Id-ul-Zuha, Saraswati Pujan, and Holi with gusto and enthusiasm.

The International Students' House organised an activity "Swachhta Pakhwada" 1st to 15th September, 2017 to promote "Swachh Bharat Abhiyan" which is being organised by Govt. of India.

A Fresher's welcome party coupled with inauguration of the House Union was arranged on 4th November, 2017.

The International Students' House Union organised the ISH Sports Competition Intra and Inter Hostel in the month of February, 2018.

The ISH celebrates its 54th year and Annual fest termed Milestone "18" on 24th February, 2018 with great enthusiasm and joy. His Excellency Maj. Gen. Chris S. Eze (Ret.), High Commissioner of Federal Republic of Nigeria was the Chief Guest.

Committees:

The Provost has constituted a number of committees from time to time to deal with particular issues. These include Anti Ragging Committee, North Eastern Committee, Sexual Harassment Committee, Anti-Smoking Committee, Holi Committee, Disciplinary Committee, Swachhta Abhiyan Committee

Facilities

The cycle club facility at ISH was inaugurated on January 26, 2018 on occasion of Republic day. In addition, two microwave ovens were also purchased and are being used by the students and office staff.

INTERNATIONAL STUDENTS' HOUSE FOR WOMEN

The multicultural character of the International Students' House for Women is central to all the activities organised by it. Residents from more than 32 countries jointly celebrate their cultural festivals and important national occasions in the spirit of harmony and friendship. The focus is on unity in diversity.

Various programmes were organized and several occasions were celebrated throughout the year. These include Freshers' Party, Idul'Ifiter, Id-ul-ZuhaDay, Orientation Programme, Diwali, MiladUnNabi, Christmas, New Year Party, Republic Day, Annual Flower Show, Holi, Annual Guest Night function, Annual picnic.

International Womens' Day was organised on 08-03-2018. Farewell Party was given to the outgoing residents who relived and narrated the wonderful time they had spent in the House.

Committees

Student related committee was formed like Cultural Committee, Sports Committee, Seminar/ Library Committee, House keeping Committee and Mess Committee.

Facilities

The Hostel has 98 well-furnished rooms. Other important facilities include Fully air conditioned library, common room, T.V. room, lounge room, wi fi connections in the entire hostel complex, RO water coolers, Fully equipped pantry with electric heater, microwave, water dispenser, geyser & solar system, automatic washing machines, GYM room, Nescafe Vending Machine, Genset, CCTV.

JUBILEE HALL

Jubilee Hall is a prime Hall of residence for full time post graduate & research students of the University of Delhi. It was founded in 1947 on the occasion of the Silver Jubilee of the University. The internal administration & discipline of the Hall is vested in the Provost who is assisted by a Warden and a Resident Tutor. The Hall functions under the administrative control of following:

Provost Prof. Diwan S. Rawat

Wardon Prof. P. P. Chakraborty (till 31.01.2018)

Dr. B.W. Pandey (w.e.f. 01.02.2018)

Resident Tutor Dr. Md. Naimuddin

The hall performed a number of activities:

Jubilee Hall celebrated "Alumni Meet & Jubilation" in which many distinguished alumni took part along with other renowned personalities to grace the occasion.

To maintain its glory this year too a number of residents were selected for the higher posts in all India Competitive Services of Govt. of India.

To keep harmony and its basic character of "Unity in Diversity" Hall celebrated all festivals vizSaraswatiPooja, Holi, Id, Independence Day, Deepawali and Christmas with lot of gaiety and enthusiasm.

MANSAROWAR HOSTEL

Mansarowar Hostel is a Men's Hall of residence for full -time post-graduate and research students having capacity to accommodate 165 residents coming from various parts of India and abroad for higher studies in University of Delhi.

Administration:

The Provost is the administrative head of the Hostel. For the administrative purposes, he is assisted by the Warden, who is in-charge of the day today affairs of the hostel and the Resident Tutor, who looks after the extra-curricular activities and general welfare of the residents. The Provost, Warden and the Resident Tutor are appointed by the Vice-Chancellor on behalf of the Executive Council of the University.

Managing Committee

1. Chairman - Prof. S.C. Bhatla, Department of Botany
2. Provost – Prof. H.P.Gangnegi, Mansarowar Hostel.
3. Warden – Dr. Sanjoy Roy, Mansarowar Hostel
4. Resident Tutor – Mr.Saifuddin Ahmad, Mansarowar Hostel.
5. Procter– Prof. Neeta Sehgal
6. Dean Students welfare – Prof. Rajesh Tandon
7. Member, EC Nominee – Prof. A.G. Vedeshwar, Department of Physics.
8. Member, EC Nominee – Prof. Shashi B. Babbar, Dept. of Botany.
9. President Student Union - Mr.ShashankKishor Singh (Mansarowar Hostel).

Admission

A total of 800 forms for admission and registration for admission to hostel were printed, out of this 717 forms were sold to various applicants. The office received 576 Nos. of forms from the applicants seeking admissions to hostel. 65 students were given admissions as per vacancy.

Student union:

Election for Hostel Residents' Union was conducted peacefully on Wednesday, 21st February, 2018. The following candidates were elected for the post mentioned against each:

1. President – ShashankKishor Singh
2. Vice President – ShashankShekhar
3. General Secretary - Rajeev Kumar
4. Cultural Secretary – SiyaRasik
5. Sports Secretary - Akshay P Singh

Mess Committee Members:

- i. Atul Shukla
- ii. Madhu Sudan

Achievements/Developments in The Current Year (2017-2018)

- Installed new Fully HD television at Common room for residents.
- The hostel has become fully Wi-Fi enabled campus.
- Installed new AC at Library room for residents

Committees:

- Anti-Ragging Committee, Disciplinary Committee, SC/ST/OBC Committee, North Eastern Committee, Anti Smoking Committee, Sexual Harassment Committee

Facilities

- Dining hall, Reading room, Computer/ internet room, Common room, News paper room, Gymnasium, Guest room, Visitor's room , Cafeteria, Washing machines, Telephone/fax/Photostat, Generator room &, First Aid Box facilities.

Other Significant Informations:

- Authorities Residence

There are two authorities residents as the Warden House & Resident Tutor House.

- Ramp

Ramp has been constructed thereby facilitating the movement of physically challenged students as eco-friendly.

- Biometric Machine

Biometric Machine installed by the University for attendance of the employees.

- Hostel celebrate various kind of cultural program/festival i.e Independence Day, Republic Day, Dusshera, Diwali, Holi, Eid, Saraswati Puja, Christmas, Gandhi Jayanti, Ambedkar Jayanti, fresher party, New Years day and annual fest of hostel etc.
- The residents of the hostel participated in various out-door and indoor games during the year.

MEGHDOOT HOSTEL

The Meghdoot Hostel observed a number of activities and enthusiastic innovations in the academic year 2017-18. Some of them are listed as follows:

Celebration of Environment Day:

The residents and staff of the Meghdoot Hostel celebrated the World Environment Day on 5th June, 2017. The Provost, Warden, residents and all the staff members took active part in this celebration. Tree saplings and plants were planted by the Provost, Warden, residents and staff members of the hostel.

Celebration of Independence Day:

Independence Day was celebrated on 15th August 2017. The Tricolour Flag was hoisted by the Provost, Prof. Veena Agrawal. On this day each resident wore white, saffron or green colour attire with a flag broche as a symbol of love and gratitude to the Nation.

Dandiya Night:

It was celebrated on 23rd September, 2017 on the occasion of Navratri.

Residents played dandiya and enjoyed the music which was followed by a special dinner. The event was attended by the Warden, Mrs. Shashi Rani Dev.

Dusshera Celebration:

Dusshera was celebrated on 30th September, 2017 by the hostel residents in a grand way with special dinner. The residents performed cultural dance and enjoyed the music. The Warden and residents participated in the celebration.

Celebration of Diwali:

The festival of lights Deepawali was celebrated on 19th October, 2017. The hostel was beautifully lit and it was amazing to see Meghdoot in that way. The residents had a gala time and residents decided not to burn crackers and play environment friendly deepawali. The Warden and residents participated in Laxmi Puja and special dinner was served in the hostel.

Freshers' Party:

In order to facilitate the new residents in the Meghdoot hostel family, a special fresher's Party was organised by the previously staying residents on 11th November, 2017 which was attended by the Provost

and the Warden. Gifts were given to the fresher's. One of the Mess staff was bid farewell on that were day as well. Special dinner was served that night along with a cake cutting ceremony for the Mess staff.

Election of New Students' Union:

The election for the Meghdoot Hostel Student Union office bearer, i.e. President, Vice-President, General Secretary, Cultural Secretary, Mess Secretary and Sports Secretary was held on 7th December, 2017. The following members were elected for the Meghdoot Hostel Student's Union namely Ms. AnkitaChatterjee- President, Ms. HimanshiJatia- Vice President, Ms. Alisha Kumari- General Secretary, Ms.MonicaKumari - Cultural Secretary, Ms. LipsaPriyadarsiniNaik - Sports Secretary and Ms. NimishaTiwari- Mess Secretary. Our Computer Secretary was also elected later on through General Boady Meeting (during the month of January) by the hostel residents who attended the meeting. Ms. RashmiBiswal was elected as the Computer Secretary.

Celebration of Christmas:

The residents celebrated Christmas on 25th December 2017 with special dinner and cake. The celebration began by singing Christmas carols. The function was attended by the Warden which had a special dinner lined up. This marked the end of the wonderful year 2017.

Celebration of Lohri, Pongal&Bihu :

The residents celebrated the festivals together with Holy Fire and residents circling it wishing for happy and prosperous year ahead. The Warden lit the holy fire and offered Prasad to all the residents and staff members who attended the function, followed by a folk dance session and special dinner.

Celebration of SaraswatiPooja:

On 22nd January 2018 the residents celebrated BasantPanchami. The Goddess of knowledge MaaSaraswati was worshipped by all the residents together. Prasad was distributed among all the residents and hostel staff.

Republic Day Celebration;

Republic Day was celebrated on 26th January, 2017. The Tricolour Flag was hoisted by the Provost and the Warden and hence delivered an enthusiastic and patriotic speech.

Sports' Day Celebration:

Sports Day was organised by the sports secretary with the help of the other Union members on 27th January,2018. Several games likes musical chair, spoon and lemon race, triple legged race, paper dance, tug of war, kabaddi competition for staff members etc. Gifts were given to the winners of the different competition.

60th Annual Flower Show-2018:

Meghdoot Hostel participated in the Annual Flower Show held on 23rd February, 2018 by giving different entries of flowers and lawn and has been awarded the Shri Ram College of Commerce Award and the College of Nursing Cup.

Celebration of Holi:

On 2nd march 2018 the festival of colourHoli was celebrated in the hostel premises among the residents. Everyone played a safe and colourfulHoli. It was greatly enjoyed by the residents as they danced and cheered joyfully alongside music. Residents also enjoyed thandai that was made by the mess staff.

Annual Cultural Night "ISKARA" 2018 and the Alumni Meet:

The most awaited function of the hostel i.e. the annual cultural night ISKARA-18 was organised on 25th March, 2018, by the students union and enthusiastically participated by all residents. Ms. MeenakshiLekhi (M.P) was invited as a chief guest; Ms. CharuPragya attended the event as the guest of honour. The function was presided by the Chairperson of the Management Committee, Prof. SushmaBatra, the Provost, Prof. VeenaAgrawal, and the Warden, Mrs. Shashi Rani Dev. Some of Meghdoot's distinct Alumae also attended the event. All the staff and residents were present to cherish the beautiful night, cultural performances and gifts distribution for the staff members. A special dinner and Disk Jockey were followed after this.

Farewell party:

The residents who were completing their stay in the hostel were bid farewell by the new comers. They were felicitated by gifts and titles. All of them enjoyed the performances given by the new residents.

NORTH EASTERN STUDENTS' HOUSE FOR WOMEN

Major Activities and Achievements: North Eastern Students' House for Women was established in 2002. NESHW is 101 seated and 1 guest room out of which 70% of the seats are reserved for the North Eastern Region, and 30% for rest of India. During the year Independence Day, Fresher party, Diwali, Christmas, Lohri, Republic day and Sports day were celebrated by the residents with enthusiasm. Two events are the main events of the hostel, Food fete and Annual Cultural night.

Committees:

There are 6 Committees functioning during the year.

1. Anti Ragging Committee consisting of 3 members.
2. Cleanliness Committee consisting of 3 members.
3. Students Welfare Association consisting of 7 members.
4. Mess Committee consisting of 5 members
5. Cultural Committee consisting of 6 members.
6. Holi Committee consisting of 3 members.
7. Nodal Officer.

Facilities:

The hostel provides the following facilities to its residents:

- a) Two LED TV.
- b) One Music system.
- c) Eight Washing machines.
- d) Four Hotplates.
- e) Five Refrigerators.
- f) Twelve Computers and one Printer.
- g) Two Hot & Cold water dispensers
- h) Four Microwave ovens.
- i) Round the clock hot water supply through solar power heating.
- j) One Readingroom, Computer room, Common room, Gym, Lobby, Badminton court and Garden.

Other Significant Information: None

POST GRADUATE MEN'S HOSTEL

Major Activities and achievements

P.G.Men's Hostel was inaugurated on 24.10.1975 with 100 single bedded rooms. During the last few years, it has grown significantly in terms of facilities such as air conditioned computer lab with internet, gym with motorized treadmill and modern facilities, laundry with semi automatic washing machines on each floor, canteen, photocopy outlet, two badminton courts and recreation hall. The air conditioned library has expanded its intellectual activities to discuss contemporary issues. Ajit Singh Yadav Memorial debate was organised on the topic "A Free Press Safeguards Democracy". Major Indian festivals like Holi,

Diwali, Eid, Xmas, New Year etc. and Annual Function and Sports meet of the hostel were celebrated. Republic Day and Independence Day were also observed in the hostel.

Committees

1. Common Room: to organise common room activities
2. Cultural: to organise cultural activities and events
3. Health & Hygiene: to look after cleanliness of the hostel
4. Sports: to organise sports activities
5. Mess: to organise mess menu and purchase of raw materials
6. Anti Raging and Disciplinary: to avoid raging and to resolve issues relating toraging.
7. Holi: to combat Holi hooliganism in the hostel.
8. Anti Smoking: to avoid smoking in the hostel premises

Facilities

1. TV/Common Room
2. Laundry
3. Air Conditioned Computer Lab with internet and Wi-Fi facilities
4. Air Conditioned Library and Reading Room
5. Newspaper/Magzine Room
6. Gym with motorized treadmill
7. Two badminton Courts
8. Photocopy outlet
9. Canteen
10. Visitor Room

Other Significant Information

1. Guest (Parent) Room (under renovation)
2. Scroll Board of the Chairmen, Provosts, Wardens and Resident Tutor since the inception have been made.

RAJIV GANDHI HOSTEL FOR GIRLS

The Rajiv Gandhi Hostel for Girls (RGHG) is a very spacious and beautiful Hostel situated at Dhaka Hostel Complex, Mukherjee Nagar, Delhi-110009. The Hostel building was constructed by University of Delhi with the financial assistance from Ministry of Development of North Eastern Region (MDONER/NEC) and Ministry of Tribal Affairs (MTA). The Hostel is divided into 8 clusters, each independent in terms of water supply, rest rooms etc. Each cluster has four floors having a pantry facility in alternate floors, used by the residents for some emergency food preparation.

Administration and Management

The Hostel is managed by a Managing Committee constituted by the University. The internal administration and discipline of the hostel is vested in the Provost. The Provost is assisted by Warden and Resident Tutors to look after the day to day activities.

Cultural Activities

Independence Day was celebrated by the residents by hoisting the national Flag, followed by singing of the “National Anthem”. Sweets were distributed among the residents and the staff.

A freshers’ welcome party was organised with the residents, office staff and hostel Authorities.

The Diwali Celebration on 19th October, 2017 included the lighting up of the hostel building and a special dinner.

The Christmas was celebrated on 25th December 2017 during winter break with fun and fare.

The function of Lohri was also celebrated on 13th January 2018 by making bonfire and all the students gave Aahuti on the bonfire.

The Republic Day was celebrated by hoisting the National Flag followed by the National Anthem. Sweets were distributed among the residents.

The Sarsawati Poojawas also celebrated on 10th February 2018 by the residents.

The most awaited function of the hostel i.e. "RAGAAZ -2017" was organised on 17th March, 2018. Ms. Swati Maliwal, President, Delhi Women Commission was the Chief Guest. The intention behind it was to encourage the Hostellers to come together and be united. On this day, cultural programme is organised. The cultural aspects of different states of India were demonstrated by the excellent dance performances by the residents. It was then followed by dinner.

On 2nd March 2018 **Holi** (festival of colors) was celebrated with great enthusiasm.

Achievements

Hostel participated in the 60th Annual Flower Show held on 23rd February, 2018 by giving different entries of flowers and lawn and has been awarded the University Library Cup, Lady Shri Ram College Cup and the Hansraj College Cup at the event.

Committees

Hostel formed the following committees to strengthen a feeling of security among girls' students and smooth functioning of the Hostel:

1. Anti-Ragging Committee	4. Anti-Smoking Committee
2. Anti-Sexual Harassment Committee	5. Cultural Committee
3. Racial Discrimination Committee	6. Mess Committee
	7. Cleanliness Committee.

Facilities

Pantry Facility- is available at each floor of every Cluster, with the Hotplate + Water cooler + proper tap with sink.

Water Facility-

Total 18 Water Coolers (at Ground Floors & First Floors in every Cluster with R O installed)

04 Dispensers are available for drinking water for the residents.

Store room facility- is in each cluster to keep Luggage at the time of vacating the hostel.

Common Room – RGHG have two common rooms.

There is facility of TV with Tata sky connection + Chairs + Screen Projector for projects + Cycles + Curtains in one common room.

Visitor Room – Facility of LED TV with Tata sky connection + AC+ Hostel Photos + Two + Three-Seater Chairs with separate tables.

Medical Facility- Proper beds with clean bed sheets with pillow + Curtains.

Membership with Health Centre- RGHG has taken membership of Health Centre, University of Delhi. WUS provides facilities basic as well as emergency health treatment. In case of medical emergency, the resident is taken to the nearest available hospital, the LG is informed to take charge of her ward.

Sports Facility- Gym Room. Cycles + Dumbbells, Cross Trainer + Aerobic Steps,

Indoor Game Table Tennis + Carom + Ludo + Chess Table Tennis + Carom + Ludo + Chess

Outdoor GamesBasket Ball + Badminton Courts + Yoga Mat + Badminton, Bat and Ball + Skipping Ropes

Academic-

Reading Room with AC facility + with table and chairs + proper curtains.

Library Room with Book case + Tables & Chairs + AC facility

Security-

CCTV Camera – (Main Gate, Main Garden Lawn, Back Gate, Mess Entry Gate, Patel Chest, Kitchen area & Counter area

There are 386 rooms on twin sharing basis. The Hostel can accommodate 772 students. All rooms are spacious ventilated for the comfortable stay of Hostel residents. All rooms have ceiling fans. Each resident provided with beds one built wardrobe/almirah, book rack mounted on the wall. Every room has a mirror.

Mess and dining Hall

The Hostel has well maintained dining hall with independent kitchen and hygienic cooking facilities and safe drinking water. Healthy and hygienic food for every resident is provided in the mess.

With appropriate planning and with the help of the hostel management committee and the University authorities, along with the contribution from the residents', further improvements are expected during the next academic session. The Hostel is in a path of development to provide a homely feeling to its residents in both security and facility.

SARAMATI POST GRADUATE MEN'S HOSTEL

Saramati Hostel has organised Annual cultural event "MILANGE 2017" along with the Aravali Hostel on 07 Apr 2017. In view of the fact Saramati hostel has substantial number of residents from north eastern part of India, special emphasis was given to showcase the north eastern culturaltradition.In addition, the hostel also celebrated New Year evening and national festivals likeIndependence Day, Republic Day and national flag was unfurled in presence of hostel residents and staffs.

Every year Hostel Authority forms disciplinary committee, cultural committee, mess committee, sports committee for smooth functioning of various hostel facilities.\

Hostel Facilities

Hostel has TV room, common reading room with several newspapers and magazines. The hostel also provides Gym and sports facilities for indoor games such astable tennis, chess and carom etc. Hostel is equipped with modern Wi-Fi facility to provide smoother and faster internet service to the residents. Hostel has installed CCTV with 8 cameras at the required places to have a better security system and surveillance.

Other significant Information

Hostel has a double occupancy Guest Room& Guest house equipped with the Air Conditioner and Heat Convactor. Both of the facilities are open for the visiting guests and parents of the residents.

UNDER GRADUATE HOSTEL FOR GIRLS

Major Activities and Achievements

The hostel organizes various events to keep the students engaged in productive activities. This year, Mr. RizwanUddin, Regional PF Commissioner, delivered a talk on "Motivation through Goal Setting" on 26th August, 2017, which was very much appreciated by the students. Tree plantation was carried out by the students in the presence of the Provost and Resident Tutor on 27th September, 2017. On 2nd February, 2018, a session on "Brain, Breath and Emotions" was conducted by Art of Living trainers. The orientation program of Spic Macay was held on 10th February 2018. A lecture on "Social Perspective of Folk Art" was delivered by Dr. KapilTiwari on 11th February, 2018.

The hostel endeavours to create an atmosphere conducive to learning and enjoyment. On 5th April, 2017, a Farewell Party was organised for the outgoing residents. All major festivals were celebrated in the hostel, starting with Independence Day celebrations on 15th August, 2017, and Diwali festival on 19th October, 2017, with lighting of lamps and rangolis. The Freshers' party to welcome the new students was organised by the seniors on 4th November, 2017. Christmas Day was celebrated on 25th December with cutting of a cake and decorations. Lohri was celebrated on 13th January 2018 with lighting of a huge bonfire. The national flag was hoisted by the Provost on 26th January, 2018. Holi was celebrated on 3rd March 2018 with organic colours. We participated in the Delhi University Flower show held on 23.02.2018 and won several prizes.

Committees

During the 2017-2018 period, the following committees were constituted:

Anti-Smoking Committee

Anti-Sexual Harassment Committee

Anti-Ragging Committee

Disciplinary Committee

North-Eastern Committee

Holi Committee

Nodal Officer for Tobacco-Free Campus

Students' Advisor

Cultural Committee

Facilities

The hostel boasts of several modern facilities, including air-conditioned

Common Room

Computer Lab

Reading Room

Gymnasium

Sports Room

Library

Visitors' room

Medical room with medical facilities, including a daily nurse and doctor's visits thrice a week

Two TV Rooms

The hostel also has a well-ventilated Dining Hall

Other facilities include

Laundry Room

Tuck-shop

Badminton Court

Basket Ball Court

Table Tennis court

Other Significant Information

Lush green lawns and flower beds greet the residents. The walls are decorated with pictures. For the students' security, CCTV cameras are installed in common areas and at the gates. There are disabled friendly washrooms and ramps. All fees are collected online. The mess serves four meals a day, including facility for packed lunch. The hostel adopts green practices, including waste segregation, composting of garden waste, switchover to eco-friendly LED lighting, minimal paper usage, etc.

UNIVERSITY HOSTEL FOR WOMEN

Established in the year 1973, University Hostel for Women (UHW) is an important landmark of the University of Delhi. The Hostel has a capacity of 320 seats for post graduate & research women students hailing from various parts of the country and abroad, and provides ample opportunities and occasions for blossoming of the resplendent spirit of womanhood. The hostel was under renovation since 2012 & reopened with partial admissions in the academic session 2016-2017.

It has always been in the tradition of UHW to hold several functions and celebrations. The following celebrations were organised in 2017-2018;

Cultural Events

- i) 18th April 2017 and 27th March 2018, Anima Sen Memorial Inter-Hostel Debate, Anima Sen Memorial Inter-hostel Debate was held on 18th April 2017 and 27th March 2018 for academic sessions 2016-2017 and 2017-2018 respectively. Certificates were distributed to all the participants. Trophies and cash prize were distributed to the winners. The debate witnessed enthusiastic participation.

Festival Celebrations;

- ii) All festivals such as Diwali, Lohri, Saraswati Puja and Holi were celebrated in the hostel.

National festivals and activities to increase consciousness;

- iii) 15th August 2017, Independence Day: All authorities, residents and staff joined the country in its celebration of Independence Day by singing National Anthem and other patriotic songs.
- iv) 2nd October 2017, Swachha Bharat Abhiyaan: In accordance with the drive of Swachh Bharat Abhiyan programme University Hostel for Women (UHW) took initiative and continued to keep the premises and surrounding areas clean. The entire hostel staff and residents participated in the cleanliness drive.
- v) 26th January 2018, Republic Day: The celebrations began with flag hoisting followed by singing of National anthem, patriotic songs and dance by residents and karamcharies. The ceremony concluded with distribution of sweets.

Committees

- a) Discipline Committees
 - i) Anti Ragging
 - ii) Anti Squad
 - iii) Anti Smoking
 - iv) Gender Sensitization
- b) Cultural Committees: Anima Sen Memorial Inter Hostel Debate was organised by the cultural committee.
- c) Mess Committee: Residents are encouraged to volunteer for mess duties and duties were assigned accordingly.
- d) Cleanliness Committee: Residents were required to perform floor duties and duties assigned accordingly. Cleanliness and maintenance reports were submitted by the residents on duty.

Facilities

Gym, Common Room, Reading Room, Sick Room, Union Room

V. K. R. V. RAO HOSTEL

Each academic year the residents of the hostel celebrate national days including Independence Day, Republic day and Gandhi Jayanti with gaiety and fervor. Independence Day and republic day are celebrated with the hoisting of Tri-Colour National Flag to instill a culture of national integration while Gandhi Jayanti gives emphasis on cleanliness through Swachh Bharat Abhiyan, on this day a pledge is also taken with plantation of trees.

The residents of the hostel celebrate various festivals covering Diwali, Holi, Lohri, Saraswati Puja, and Christmas Eve with lot of enthusiasm. Cultural events of the hostel begin with the Freshers' welcome at the beginning of the session and ends with the Farewell Party towards the end of the session. SPIC MACAY

program has almost become a regular feature in the hostel. Celebrated artists including Pandit Vishwa Mohan Bhatt, Ustad Bahauddin Dagar, Pandit Biswajit Roy Chowdhury, Pandit Shubhendra Rao, Vidhushi Saskia Rao Dehaas etc. have given their recital in the Common Room of the hostel. The hostel annual cultural extravaganza UMANG, the most sought-after program is celebrated with pomp and show.

Committees:-

The hostel has constituted a SEWA Committee to cater to the needs and welfare of the residents. Further it has constituted many other committees including Anti-ragging Committee Welfare of North East Students, Grievance Committee for students that encompasses all issues confronting the residents of the hostel.

Facilities:-

The Hostel offers a full range of services and resources to support and enhance the quality of life of its residents.

1. Guests facilities for resident's guests
2. Guest Room for parents
3. Medical Facilities
4. Mess and the Dining Hall
5. Canteen
6. Computer and Internet & Wi-fi Facilities
7. Common Room
8. Gym & Sports Events
9. Musical Instruments
10. Book Bank
11. Laundry Services
12. Intercom facilities
13. Reading room
14. Visitors' room
15. Hostel Security with CCTV Cameras
16. PwD Friendly resources

Other Significant Information

The R.O. System dispenses out the waste water after filtration & purification which is utilized in cleaning and watering the plants. The hostel has 24 x 7 print out facilities for the residents at nominal charges. As the hostel is categorically occupied by the Residents of Faculty of Management Studies and Delhi School of Economics, so the placement is above 90 percent.

Overall, the year has been productive and full of growth and collective enthusiasm at the VKRV Rao hostel.

WUS UNIVERSITY HOSTEL

The WUS University Hostel is Residence for Women, Teachers of the University, Visiting Teachers and Post-Doctoral Researchers, with a capacity of 18 Rooms. The Hostel was taken over by the University from the World University Services in 1990. Prof. Sreemati Chakrabarti is looking after the administration of the Hostel till 31st January, 2018 and thereafter Prof. (Ms.) Minni Sawhney has been appointed as Chairperson upto 31st March, 2018.

The following facilities have been provided to the residents:

Visitor's Room (Air conditioned), Colour T.V., Refrigerators, Newspapers (Hindi and English), Water Cooler, Computers.

The residents celebrate the various festivals like Diwali, Christmas, Holi, New Year etc.

The Mess is run by the residents on co-operative basis.

ANNUAL ACCOUNTS FOR THE YEAR 2017-18

INDEX

Sr. No.	Name of Statement
<u>A. University of Delhi</u>	
1	Balance Sheet
2	Income and Expenditure Account
3	Schedule forming Part of Balance Sheet: Schedule 1,2,3,4,5,6,7,8
4	Schedule forming Part of Income & Expenditure : Schedule 9,10,11,12,13,14,15,16,17,18,19,20,21,22.
5	Significant Accounting Policies : Schedule 23
6	Contingent Liabilities and Notes on Accounts : Schedule 24
7	Receipts & Payments Account
<u>B. Provident Fund Account</u>	
8	Balance Sheet
9	Income and Expenditure Account
10	Receipts and Payments Account
<u>C. New Pension Scheme</u>	
11	Balance Sheet
12	Income and Expenditure Account
13	Receipts and Payments Account
<u>D. University Press</u>	
14	Balance Sheet
15	Profit and Loss Account
16	Receipts and Payments Account
<u>E. Halls and Hostels</u>	
17	Consolidated Balance Sheet
18	Consolidated Income and Expenditure Account
19	Consolidated Receipts and Payments Account

BALANCE SHEET AS AT 31st MARCH, 2018

Particulars	Schedule	Current Year	Amount in ₹ Previous Year
SOURCES OF FUNDS			
CORPUS/CAPITAL FUND	1	-----	-----
DESIGNATED/ EARMARKED/ ENDOWMENT FUNDS	2	6812347938	5895188592
CURRENT LIABILITIES & PROVISIONS	3	27366821395	26472963908
TOTAL		34179169333	32368152500
APPLICATION OF FUNDS			
FIXED ASSETS			
Tangible Assets	4	1302350394	1445275815
Intangible Assets		2190247	3192579
Capital Works-in-Progress		4065825877	4065825877
INVESTMENT FROM EARMARKED / ENDOWMENT FUNDS	5	883083000	247983000
INVESTMENT – OTHERS	6	-----	-----
CURRENT ASSETS	7	12067138607	11451056645
LOANS, ADVANCES & DEPOSITS	8	3223753863	3341361463
CORPUS/CAPITAL FUND		12634827345	11813457121
TOTAL		34179169333	32368152500
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2018

Particulars	Schedule	Amount in ₹	
		Current Year	Previous Year
INCOME			
Academic Receipts	9	1079933933	954040785
Grants / Subsidies	10	5268907887	4535349679
Income from Investment	11	38074029	44491931
Interest Earned	12	2907044	10757610
Other Income	13	67821287	62984521
Prior Period Income	14	-----	-----
Increase /Decrease in Stock		-----	31819874
TOTAL (A)		6457644180	5639444400
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	15	5207492367	5533672533
Academic Expenses	16	565335417	503322960
Administrative and General Expenses	17	860614848	805128377
Transportation Expenses	18	1402609	6936509
Repairs & Maintenance	19	157267464	199850205
Finance costs	20	469669	443563
Depreciation	4	351441789	414037702
Expenditure on Grants, Subsidies etc.	21	336578401	161486328
Prior Period Expenses	22	-----	1195708575
Increase /Decrease in Stock		5925876	-----
TOTAL (B)		7486528440	8820586752
Balance being excess of Income over Expenditure/ (Expenditure over Income) (A- B)		(1028884260)	(3181142352)
Transferred to / from Designated Fund			
Balance being Surplus/(Deficit) carried to Capital Fund		(1028884260)	(3181142352)
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 1 - CAPITAL FUND		Amount in ₹	
		Current Year	Previous year
Balance at the beginning of the year		(11813457121)	(10424548997)
Add: Contributions towards Corpus/Capital Fund - Plan A/c		----	----
Add: Contributions towards Corpus/Capital Fund		----	----
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure			
(a) Plan Accounts	116788962		1661021233
(b) Non-Plan Accounts	65898724	182687686	71957191
Add: Assets Purchased out of Earmarked Funds			1732978424
(a) Miscellaneous Accounts	6220593		8393305
(b) Other Earmarked Funds	4534471	10755064	4324697
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution			12718002
Add: Assets Donated/Gifts Received	778		1199
Add: Assets of Project Closed	14399432		30189637
Add: Other Additions	----	14400210	----
Add: Adjustment related to unspent Balance		----	30190836
Less: W.D.V. of Assets disposed off during the year		(328924)	16705058
Add: Excess of Income over expenditure/(Excess of Expenditure over Income) transferred from the Income & Expenditure Accounts		(1028884260)	(358092)
Balance at the year end		(12634827345)	(11813457121)

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 2 - DESIGNATED/EARMARKED/ENDOWMENT FUNDS

Amount in ₹

Particulars	Funds wise breakup				Total	
	Misc. A/c	Publication	Endowment Funds	Other Earmarked	Current Year	Previous Year
A.						
a) Opening balance	580751781	5518426	796391387	4512526998	5895188592	5357432601
b) Additions during the year	-----	-----	-----	-----	-----	-----
c) Income from investments made of the funds	14191656	309804	50088078	178272037	242861575	209094062
d) Accrued Interest on Investments/Advances	28433218	60725	8489008	120340469	157323421	180372505
e) Interest on Savings Bank a/c	214739	9843	798312	4852838	5875732	9367793
f) Other additions (specify nature)	432138676		6990105	482538562	921667343	602595542
Total(A)	1055730069	5898798	862756890	5298530904	7222916663	6358862503
B.						
Utilization/Expenditure towards objectives of funds						
ii) Capital Expenditure	6220593	-----	-----	4534471	10755064	12718002
ii) Revenue Expenditure	287651293	0	8633997	103528371	399813661	450955909
Total(B)	293871886	0	8633997	108062842	410568725	463673911
Closing balance at the year end (A-B)	761858183	5898798	854122893	5190468062	6812347938	5895188592
Represented by						
Cash And Bank Balances						
Current Accounts	4456292	-----	-----	-----	4456292	16275001
Saving Accounts	34926667	938073	46850886	223629563	306345189	415614087
Investments	18000000	300000	319800000	544900000	883000000	247900000
Fixed Deposit	661541755	4600000	478900000	4227085850	5372127605	4924450148
Interest accrued but not due	37961615	60725	8489007	123556734	170068082	197205013
Shares	-----	-----	83000	-----	83000	83000
Other Loan & Advances	6581890	-----	-----	30293578	36875468	19261808
Loan from UDF to Misc	-----	-----	-----	30000000	30000000	60000000
LC Margin	-----	-----	-----	-----	-----	3951000
Electricity Deposits	-----	-----	-----	9409500	9409500	9409500
TDS's refundable	-----	-----	-----	1592838	1592838	1039035
Maintainance grant a/c	(1610036)				(1610036)	
Total	761858183	5898798	854122893	5190468062	6812347938	5895188592

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 2A - ENDOWMENT FUNDS

1. Sr. No.	2. Name of the Endowment	Opening Balance		Additions during the Year		Total		9 Expenditure on the object during the year	Closing Balance		Total (10+11)
		3. Endowment	4. Accumulated Interest	5. Endowment (Misc.Receipts)	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)		10. Endowment	11. Accumulated Interest	
1	Sir Shankar Lal Instt. Of Music (298355)	2273923	263672	1129	189327	2275052	452999	92322	2275052	360677	2635729
2	Shri Sri Ram Chair in physics (298399)	7061549	1916598	1652	689735	7063201	2606333	0	7063201	2606333	9669534
3	Shri Shankar Lal Chair in Chemistry (298402)	7893989	2138008	4130	750124	7898119	2888132	0	7898119	2888132	10786251
4	IFC Chair in Faculty of Mgmt. studies (298683)	13863470	3999880	0	1322478	13863470	5322358	59	13863470	5322299	19185769
5	SP Jain Advanced Mgmt. Research (299041)	1959645	469475	0	175502	1959645	644977	6	1959645	644971	2604616
6	Pt. Man Mohan Nath Dhar (298956)	1265507	328745	0	129281	1265507	458026	0	1265507	458026	1723533
7	Professorship in Economics (298741)	12971931	3663423	0	1251408	12971931	4914830	59	12971931	4914771	17886702
8	Publication of Orient Insect (299416)	550899	132908	0	51159	550899	184067	0	550899	184067	734966
9	DU Endowment Fund (299733)	229306904	36029474	6210467	19762949	235517371	55792423	2268099	235517371	53524324	289041695
10	Pt. Man Mohan Krishan Kaul (299880)	1527132	380392	0	150153	1527132	530545	0	1527132	530545	2057677
11	Book Grant RTL (300228)	274625362	57064957	545160	24184354	275170522	81249311	5511928	275170522	75737383	350907905
12	DU Amway Professorship in Enter. Dev. (300705)	11437894	2878013	0	1044024	11437894	3922037	59	11437894	3921978	15359872
13	Cluster Innovation Centre Corpus Fund	100357419	21526315	225000	9668418	100582419	31194733	255484	100582419	30939249	131521668
14	MHRD IPR CHAIR	503902	0	2567	6488	506469	6488	505981	488	6488	6976
Total		665599526	130791861	6990105	59375398	672589631	190167259	8633997	672083650	182039243	854122893

Notes

- The total of Columns 3 & 4 will appear as the opening balance in the column "Endowment Funds" in Schedule2, of Earmarked Funds forming part of the Balance Sheet.
- The total of Col.9 should normally be less than the total of Col. 8, as only the interest is to be used for the expenditure on the object of the endowments. (except Endowments for Chairs)
- There should not normally be a debit balance in the schedule. If in a rare case, there is a debit balance against any of the Endowment Funds, the debit balance should appear on the Assets side of the Balance Sheet as "Receivables", in Schedule-8 Loans, Advances & Deposits.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

	Amount in ₹	
SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS	Current year	Previous Year
A. CURRENT LIABILITIES		
1. Deposits from staff	----	----
2. Deposits from students	----	----
3. Sundry Creditors		
a) For Goods	25943604	13051003
b) Others	----	----
4. Deposit-others (including EMD, Security Deposit)	378068	378068
5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS)		
a) Other Bodies Transaction	5321264	2027012
b) Duties & Taxes	1258258	16853
6. Other Current Liabilities		
a) Salaries	----	----
b) Receipts against Sponsored Projects	1499877620	1386557463
c) Receipts against Sponsored Fellowships & Scholarships	95731206	73570373
d) Unutilized Grants	5587750339	5721197188
e) Amount refundable to UGC	18198383	17029739
f) Grants in advance	----	----
g) Other funds	163053237	84622514
h) Other liabilities	11580180	468858
Total (A)	7409092159	7298919071
B. Provisions		
1. For Taxation	----	----
2. Gratuity	1246794419	1120240441
3. Superannuation Pension	17828303630	16984796238
4. Accumulated Leave Encashment	873230725	1054065434
5. Trade Warranties/Claims	----	----
6. Others (Specify)/Expenses Payable	9400462	14942724
Total (B)	19957729236	19174044837
Total (A+B)	27366821395	26472963908

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE - 3 (a) SPONSORED PROJECTS									
								Amount in ₹	
1	2	3	4	5	6	7	8		
Sr. No.	Name of the Project	Opening Balance		Receipts/Recoveries during the year	Total	Expenditure during the year	Closing Balance		
		Credit	Debit				Credit	Debit	
1	Research Scheme A/c (298650)	435663889		160158608	595822497	139797503	456024994		
2	IASE Scheme A/c (Educ) (295853)	2352045		0	2352045	1449221	902824		
3	Research Scheme A/c (SDC)(546386	632203846		301681819	933885665	225078911	708806754		
4	B.R.A. Project A/c (298264)	38810932		44248245	83059177	27936366	55122811		
5	Young Research Scientist A/c (29859	248642813		62082024	310724837	76266726	234458111		
6	CEMDE\Bio-Diversity Park (DDA)	28883938		95720069	124604007	80041881	44562126		
Total		1386557463		663890765	2050448228	550570608	1499877620		
1. The Projects may be listed agency-wise, with sub-totals for each agency.									
2. The total of Col. (credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).									
3. The total of Col. 9 (Debit) will appear as Receivables in Schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.									

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

							Amount in ₹
Sr. No	Name of Sponsor	Opening Balance As on 01.04.17		Transactions During the year		Closing Balance As On 31.03.18	
1	2	3	4	5	6	7	8
		CR.	DR.	CR.	DR.	CR.	DR.
1	CSIR Fellowship (298413)	41326905		13182764	13943231	40566438	
2	UGC Fellowship (298560)	0	31192212	62555846	22284448	9079186	
3	Other Bodies Scholarship (298707)	27286597		66796370	53198831	40884136	
4	CSIR Fellowship (SDC) (545269)	1456326		664917	590374	1530869	
5	UGC Fellowship (SDC) (545258)	3500545		246872	76840	3670577	
Total		73570373	31192212	143446769	90093724	95731206	0

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the Balance Sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 3(c) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

	Amount in ₹	
	Current Year	Previous Year
A. Plan grants: Government of India		
Balance B/F		
Add: Receipts during the year		
Total(a)	0	0
Less: Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital Expenditure		
Total (b)	0	0
Unutilized carried forward (a-b)	0	0
B. UGC grants Plan		
Balance B/F	5721197188	7146469470
Add: Receipts during the year	260850724	507825821
Total(c)	5982047912	7654295291
Less: Refunds	0	
Less: Utilized for Revenue Expenditure	277508611	272076870
Less: Utilized for Capital Expenditure	116788962	1661021233
Total (d)	394297573	1933098103
Unutilized carried forward (c-d)	5587750339	5721197188

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018									
									Amount in ₹
C. UGC Grants non-Plan									
Balance B/F								0	
Add: Receipts during the year								5057298000	4335230000
							Total(e)	5057298000	4335230000
Less: Refunds								0	0
Less: Utilized for Revenue Expenditure								4991399276	4263272809
Less: Utilized for Capital Expenditure								65898724	71957191
							Total (f)	5057298000	4335230000
Unutilized carried forward (e-f)								0	0
D. Grants from state govt.									
Balance B/F								0	0
Add: Receipts during the year								0	0
							Total(g)	0	0
Less: Refunds									
Less: Utilized for Revenue Expenditure								0	0
Less: Utilized for Capital Expenditure								0	0
							Total (h)	0	0
Unutilized carried forward (g-h)								0	0
Grand Total(A+B+C+D)								5587750339	5721197188
Notes:-									
Unutilized grants includes advances on Capital Account									
Unutilized grants include grants received in advance for the next year									
Unutilized grants are represented on the Assets side by Bank balances, Short term Deposits with Banks and Advances on Capital Account									

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 4 - FIXED ASSETS

										Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		19716892	0	0	19716892		0	19716892	19716892
2	Site Development/Minor work		0	0	0	0		0	0	0
3	Buildings	5%	691697004	5490684	0	697187688		34859384	662328304	691697004
4	Roads & Bridges		0	0	0	0		0	0	0
5	Tube wells & Water Supply		0	0	0	0		0	0	0
6	Sewerage & Drainage		0	0	0	0		0	0	0
7	Electrical installation and equipment		0	0	0	0		0	0	0
8	Plant & Machinery	20%	219993978	25211289	225548	244979719		48995944	195983775	219993978
9	Scientific & Laboratory Equipment	40%	123076630	104826369	12001	227890998		91156399	136734599	123076630
10	Office Equipment		0	0	0	0		0	0	0
11	Audio Visual Equipment	50%	447349	1008616	1	1455964		727982	727982	447349
12	Computers & Peripherals	40%	259172441	16363405	17125	275518721	0	110207489	165311232	259172441
13	Furniture, Fixtures & Fittings	25%	92609267	14468332	42933	107034665		26758666	80275999	92609267
14	Sports Equipment	50%	28773	0	0	28773		14387	14386	28773
15	Vehicles	25%	1327316	27163	0	1354479		338620	1015860	1327316
16	Lib. Books & Scientific Journals	50%	33896165	39997879	31316	73862728		36931363	36931365	33896165
17	Small Value Assets		0	0	0	0		0	0	0
18	Work of Art		3310000	0	0	3310000		0	3310000	3310000
Total (A)			1445275815	207393737	328924	1652340628	0	349990234	1302350394	1445275815

19	Capital Work in Progress (B)		4065825877	0	0	4065825877		0	4065825877	4065825877

Sr.No.	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	3158138	449223	0	3607361		1442945	2164416	3158138
21	E-journals	25%	0	0	0	0		0	0	0
22	Patents	25%	34441	0	0	34441		8610	25831	34441
Total (C)			3192579	449223	0	3641802		1451555	2190247	3192579

Grand Total (A+B+C)			5514294271	207842960	328924	5721808307	0	351441789	5370366519	5514294271
Previous year (2016-17)			5348511377	1775887262	358092	7124040546	1195708575	414037702	5514294271	

Note:	The figure in Column 'Deductions' under Gross Block against the head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year.									
	The figure in column ' Additions during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.									

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 4A - PLAN

Amount in ₹										
Sr.No .	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		0	0	0	0		0	0	0
2	Site Development/Minor work		0	0	0	0		0	0	0
3	Buildings	5%	265684030	2549390	0	268233420		13411671	254821749	265684030
4	Roads & Bridges		0	0	0	0		0	0	0
5	Tube wells & Water Supply		0	0	0	0		0	0	0
6	Sewerage & Drainage		0	0	0	0		0	0	0
7	Electrical installation and Equipment		0	0	0	0		0	0	0
8	Plant & Machinery	20%	110523126	6978077	0	117501203		23500241	94000962	110523126
9	Scientific & Laboratory Equipment	40%	73541326	82408879	0	155950205		62380082	93570123	73541326
10	Office Equipment		0	0	0	0		0	0	0
11	Audio Visual Equipment	50%	336565	559307	0	895872		447936	447936	336565
12	Computers & Peripherals	40%	237440539	13517844	0	250958383	0	100383353	150575030	237440539
13	Furniture, Fixtures & Fittings	25%	36240065	2620785	0	38860850		9715213	29145637	36240065
14	Sports Equipment	50%	0	0	0	0		0	0	0
15	Vehicles	25%	412079	0	0	412079		103020	309059	412079
16	Lib. Books & Scientific Journals	50%	5606511	8154680	0	13761191		6880596	6880595	5606511
17	Small Value Assets		0	0	0	0		0	0	0
18	Work of Art		1310000	0	0	1310000		0	1310000	1310000
Total (A)			731094241	116788962	0	847883203	0	216822112	631061091	731094241
19	Capital Work in Progress (B)		804296182	0	0	804296182		0	804296182	804296182
Sr.No .	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	0	0	0	0		0	0	0
21	E-journals	25%	0	0	0	0		0	0	0
22	Patents	25%	14520	0	0	14520		3630	10890	14520
Total (C)			14520	0	0	14520		3630	10890	14520
Grand Total (A+B+C)			1535404943	116788962	0	1652193905	0	216825742	1435368163	1535404943
Previous year (2016-17)			1337192978	1661021233	0	2998214211	1195708575	267100693	1535404943	

UNIVERSITY OF DELHI									
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018									
SCHEDULE 4B - NON PLAN									
									Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		19716892	0	0	19716892	0	19716892	19716892
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	347190512	1099197	0	348289709	17414485	330875224	347190512
4	Roads & Bridges		0		0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and Equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	66383974	10599105	225548	76757531	15351506	61406025	66383974
9	Scientific & Laboratory Equipment	40%	17537486	11632319	12001	29157804	11663122	17494682	17537486
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	18220	441024	1	459243	229622	229621	18220
12	Computers & Peripherals	40%	16999546	1809453	17125	18791874	7516750	11275124	16999546
13	Furniture, Fixtures & Fittings	25%	47437591	11071854	42933	58466512	14616628	43849884	47437591
14	Sports Equipment	50%	28680	0	0	28680	14340	14340	28680
15	Vehicles	25%	915236	27163	0	942399	235600	706799	915236
16	Lib. Books & Scientific Journals	50%	27450504	29149155	31316	56568343	28284172	28284171	27450504
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		0	0	0	0	0	0	0
Total (A)			543678641	65829270	328924	609178987	95326225	513852762	543678641
19	Capital Work in Progress (B)		0	0	0	0	0	0	0
Sr.No.	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	3059273	69454	0	3128727	1251491	1877236	3059273
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	13321	0	0	13321	3330	9991	13321
Total (C)			3072594	69454	0	3142048	1254821	1887227	3072594
Grand Total (A+B+C)			546751235	65898724	328924	612321035	96581046	515739989	546751235
Previous year (2016-17)			578704971	71957191	358092	650304070	103552835	546751235	

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 4 C - INTANGIBLE ASSETS

									Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation/ Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Patents & Copyrights	25%	34441	0	0	34441	8610	25831	34441
2	Computer Software	40%	3158138	449223	0	3607361	1442945	2164416	3158138
3	E-Journals	25%	0	0	0	0	0	0	0
Total			3192579	449223	0	3641802	1451555	2190247	3192579
Previous year (2016-17)			4989982	319503	0	5309485	2116906	3192579	

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

Amount in ₹

SCHEDULE 4(C) (I) PATENTS AND COPYRIGHTS	Op. Balance	Addition	Gross	Amortization	Net Block 20.....	Net Block 20.....
A. Patents Granted						
1. Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs.../-)	----	----	----	----	----	----
2. Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value - Rs.../-)	----	----	----	----	----	----
3. Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs.../-)	----	----	----	----	----	----
4. Patents granted during the Current Year	----	----	----	----	----	----
Total	----	----	----	----	----	----
Particulars	Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2013-14	Net Block 2012-13
A. Patents Pending in respect of Patents applied for						
1. Expenditure incurred during 2009-10 to 2011-12	----	----	----	----	----	----
2. Expenditure incurred during 2012-13	----	----	----	----	----	----
3. Expenditure incurred during 2013-14	----	----	----	----	----	----
Total	----	----	----	----	----	----
C. Grand Total (A+B)	----	----	----	----	----	----

Note : The Addition in Part A (Patents granted), will be the figure of patents granted during the year, transferred from Part B (column-Patents granted/rejected). The amount against grants rejected during the year is written off in the income and Expenditure Account

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018									
SCHEDULE 4D - OTHERS									
									Amount in ₹
Sr.No .	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		0	0	0	0	0	0	0
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	78822462	1842097	0	80664559	4033228	76631331	78822462
4	Roads & Bridges		0	0	0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and Equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	43086878	7634107	0	50720985	10144197	40576788	43086878
9	Scientific & Laboratory Equipment	40%	31997818	10785171	0	42782989	17113196	25669793	31997818
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	92563	8285	0	100848	50424	50424	92563
12	Computers & Peripherals	40%	4732357	1036108	0	5768465	2307386	3461079	4732357
13	Furniture, Fixtures & Fittings	25%	8931611	775693	0	9707304	2426826	7280478	8931611
14	Sports Equipment	50%	93	0	0	93	47	46	93
15	Vehicles	25%	1	0	0	1	0	1	1
16	Lib. Books & Scientific Journals	50%	839147	2694044	0	3533191	1766596	1766595	839147
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		2000000	0	0	2000000	0	2000000	2000000
Total (A)			170502930	24775505	0	195278435	37841900	157436535	170502930
19	Capital Work in Progress (B)		3261529695	0	0	3261529695	0	3261529695	3261529695
Sr.No .	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	98866	379769	0	478635	191454	287181	98866
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	6600	0	0	6600	1650	4950	6600
Total (C)			105466	379769	0	485235	193104	292131	105466
Grand Total (A+B+C)			3432138091	25155274	0	3457293365	38035004	3419258361	3432138091
Note : The additions during the year include additions from :									
	Gifted		778						
	Project Close		14399432						
	Misc. Accounts Fund		6220593						
	Other Earmarked Fund		4534471						
	Total		25155274						

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 5 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Amount in ₹	
	Current Year	Previous Year
1. In Central Government Securities	883000000	247900000
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	83000	83000
5. Debentures and Bonds	----	----
6. Term Deposits with Banks	----	----
7. Others (to be specified)	----	----
Total	883083000	247983000

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULES 5 (A) INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUNDS WISE)

			Amount in ₹
Sl. No.	Funds	Current Year	Previous Year
1	Misc. Accounts - Govt. Securities	18000000	18000000
2	Publications - Govt. Securities	300000	300000
3	Endowment Fund - Govt. Securities	319800000	185600000
4	Other Earmarked Fund - Govt. Securities	544900000	44000000
5	Endowment Fund - Shares	83000	83000
Total		883083000	247983000

Note : The Total in this sub schedule will agree with the total in Schedule 5.

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 6 - INVESTMENT -OTHERS	Amount in ₹	
	Current Year	Previous Year
1. In Central Government Securities		
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	----	----
5. Debentures and Bonds	----	----
6. Other (to be specified)	----	----
TOTAL	----	----

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

	Amount in ₹	
<u>SCHEDULE 7 - CURRENT ASSETS</u>	Current Year	Previous Year
1. Stock		
a) Stores and Spares	----	----
b) Loose Tools	----	----
c) Publication	----	----
d) Laboratory chemicals, consumables and glass ware	----	----
e) Building material	----	----
f) Electrical material	----	----
g) Stationery	9362094	12715923
h) Water supply material	----	
i) Liveries	----	196474
j) Drugs and Medicines	16531904	3895059
k) Answer Sheet	----	15012418
2. Sundry Debtors :		
a) Others Outstanding for a period exceeding six months	----	----
b) Others	----	----
3. Cash and Bank Balance		
a) With Scheduled Banks :		
-In Current Accounts	66031191	65626464
-In Term Deposit Accounts	11082529870	10123882586
-In Savings Accounts	891760948	1228784221
b) With non-Scheduled Banks :		
-In Term Deposit Accounts	----	----
-In Savings Accounts	----	----
c) Cash Balance in hand (including cheques\drafts) :	922600	943500
4. Post Office Savings Accounts	----	----
TOTAL	12067138607	11451056645

Note : Annexure "A" shows the details of Bank Accounts

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

					Amount in ₹
I	Current Account			Current Year	Previous Year
1	B R Amedkar Centre General Fund A/c			8000	23578
2	ICICI Bank A/c			3685476	1050992
3	SBI Law Centre II			134017	134017
4	SBI MG I			6826915	23875210
5	SBI MG II			10092507	10745135
6	SBI MG III			1160304	6280127
7	SDC Examination A/c			20073893	206339
8	SDC General Fund A/c			15884699	1138055
9	Sponsored Project Bank A/c			902824	2352045
10	Plan Current A/c			2806264	3545965
11	Current A/cs of Earmarked Fund			4456292	16275001
				66031191	65626464
II	Savings Bank Accounts				
1	External Candidate Cell A/c			897165	549733
2	NCWEB A/c			12658956	4909267
3	SBI Departmental Receipt A/c			2149027	5799288
4	SBI General Fund A/c			92087485	387974175
5	SBI Medical Reimbursement A/c			310382	3390707
6	Sponsored Project Bank A/c			296041608	279967106
7	Sponsored Fellowship and Scholarship			98598341	75189415
8	Plan Savings A/c			31341187	45532299
9	Savings A/cs of Earmarked Fund			306345189	415614087
10	CPF Account refundable to UGC			4025	17691
11	IDBI Bank A/c			4438342	9840452
12	ICICI Bank A/c (Online Fees)			46889241	-----
				891760948	1228784221
III	Term Deposit Accounts				
1	FDR from Earmarked Fund(including margin money)			5372127604	4928401148
2	FDR from UGC Refundable A/c			18072925	16858487
3	FDR from ACBR A/c			918073	918073
4	FDR from Social Work A/c			-----	2660351
5	FDR from Maintenance Grants			1215000000	700000000
6	Sponsored Project Bank A/c			1024108838	872243493
7	Sponsored Fellowship and Scholarship			25000000	25000000
8	FDR From Plan A/c (including margin money)			3419302430	3567801034
9	FDR From ICICI Bank A/C			8000000	10000000
				11082529870	10123882586

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018				
				Amount in ₹
SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS			Current Year	Previous Year
1. Advances to employees (Non-interest bearing)				
a) Salary			-----	-----
b) Festival			736612	937252
c) Medical Advance			-----	53,000
d) Leave Travel Concession			13308426	4047511
e) Other (to be specified)			-----	-----
2. Long Term Advances to employees (Interest bearing)				
a) Vehicle Loan/Conveyance/Computer			807020	1180920
b) Home Loan/HBA			1405975	1936830
c) Others (to be specified)			-----	-----
3. Advances and other amounts recoverable in cash or in kind or for value to be received				
a) On Capital Account			-----	-----
b) to Suppliers			-----	-----
c) Delhi University Pension Accounts			2980000	2980000
d) Delhi University Press			17395000	17395000
e) Sir Shankar Lal Chair in Chemistry Fund A/c			1100000	1100000
f) Other Advance out of Earmarked Funds			34662473	16144059
g) Other Advance out of Maintenance Grant A/c			611078101	685292917
h) Other Advances out of Sponsored Projects			126829527	144291005
i) Advance from Plan A/c			2026199559	1983897742
j) Others			1640866	1151924
4. Prepaid Expenses				
a) Insurance			-----	-----
b) Other Expenses			13813289	13842119
5. Deposits				
a) Telephone			-----	-----
b) Lease Rent			-----	-----
c) Electricity			20805300	20805300
d) AICTE, if applicable			-----	-----
e) DESU (Security)			4795	4795
f) Others			202373	202373
6. Income Accrued:				
a) On Investments from Earmarked/Endowment Funds			170068082	197205012
b) On Investments from ACBR/ UGC Refundable A/c			-----	-----
c) On Investments from UGC Refundable A/c			121433	153561
d) On Investments from Sponsored Projects			53199322	87703814
e) On Investments from Sponsored Fellowship and Scholarship			2132865	2188746
f) On Investments from Plan			118473352	120889004
g) On Investments from MGIE (ICICI, SDC)			4517867	6616367
h) On Loans and Advances			-----	-----
i) Others (includes income due unrealized)			2271284	150000
7. Other - Current Assets receivable from UGC/sponsored projects				
a) Debit balances in Sponsored Projects			-----	-----
b) Debit balances in Sponsored Fellowships & Scholarships			-----	31192212
c) Grants Receivable			-----	-----
d) Other receivables			342	-----
8. Claims Receivable			-----	-----
TOTAL			3223753863	3341361463
Note :				
1. If revolving funds have been created for House Building, Computer and Vehicle advances to employees, the advances will appear as part of Earmarked/Endowment Funds. The balances against these interest -bearing advances will not appear in this schedule.				

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018		
		Amount in ₹
SCHEDULE - 9 ACADEMIC RECEIPTS	Current Year	Previous Year
FEES FROM STUDENTS		
Academic		
1. Tuition fee	15562124	17980348
2. Admission Fee	2428539	2344991
3. Enrolment fee	19578022	14270108
4. Library Admission fee	1155149	1830082
5. Laboratory fee	29508	89605
6. Sports and Athletic Association Fee	7093785	10072489
7. Computer Fee	0	887500
8. Arts & Craft Fee	-----	-----
9. Registration fee	138611263	105705230
10. Syllabus fee	-----	-----
11. Other Fees	18332612	27854021
Total (A)	202791002	181034374
Examinations		
1. Admission Test Fee	-----	-----
2. Annual Examination Fee	812885165	715006643
3. Mark sheet, certificate Fee	17361725	16026730
4. Entrance Examination Fee	46651301	29428805
Total (B)	876898191	760462178
Other Fees		
1. Identity card Fee	-----	-----
2. Fine/Miscellaneous Fee	-----	-----
3. Medical Fee	-----	-----
4. Transportation Fee	-----	-----
5. Hotel Fee	-----	-----
Total (C)	0	0
Sale of Publications		
1. Sale of Admission forms		-----
2. Sale of syllabus and Question Paper, etc.	-----	-----
3. Sale of prospectus including admission forms	244740	12544233
Total (D)	244740	12544233
Other Academic Receipts		
1. Registration fee for workshops, programmes		-----
2. Registration fees (Academic Staff College)	-----	-----
Total (E)	0	0
GRAND TOTAL (A+B+C+D+E)	1079933933	954040785

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 10- GRANTS/SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

							Amount in ₹
Particulars	Govt. of India	Plan Plan	UGC Specific Schemes	Total Plan	Non Plan UGC	Current Year Total	Previous Year Total
Balance B/F		5721197188		5721197188		5721197188	7146469470
Add: Receipts during the year		260850724	0	260850724	5057298000	5318148724	4843055821
Total		5982047912	0	5982047912	5057298000	11039345912	11989525291
Less : Refund to UGC Balance				0		0	0
Less : Utilized for Capital expenditure (A)		116788962	0	116788962	65898724	182687686	1732978424
Balance		5865258950	0	5865258950	4991399276	10856658226	10256546867
Less: utilized for Revenue Expenditure (B)		277508611	0	277508611	4991399276	5268907887	4535349679
Balance C/F (C)	-	5587750339	0	5587750339	0	5587750339	5721197188

A- Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B- Appears as income in the Income & Expenditure Account.

C- (I) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.
(II) Represented by Bank balances, Investments and Advances on the assets side.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 11- INCOME FROM INVESTMENTS	Amount in ₹			
	Earmarked/Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
a. On Government Securities	----	----	----	----
b. Other Bonds/Debentures	----	----	----	----
2. Interest on Term Deposits	400184996	389466567	38074029	44491931
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees.	----	----	----	----
4. Interest on Saving Bank Accounts	5875732	9367793	0	0
5. Others (Specify)	----	----	----	----
Total	406060728	398834360	38074029	44491931
Transferred to Earmarked/Endowment Funds	406060728	398834360		

Note: Interest accrued but not due on Term Deposits from HBA Fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving funds (EMF) for such advances have been set up.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 12 - INTEREST EARNED	Amount in ₹	
	Current Year	Previous Year
1.On Savings Accounts with scheduled banks	2907044	10757610
2.On Loans		
a. Employee/Staff	----	----
b. Others	----	----
3. On Debtors and Other Receivables	----	----
Total	2907044	10757610

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 13 - OTHER INCOME

				Amount in ₹
			Current Year	Previous Year
A. Income from Land & Building				
1. Rent from Building/Land etc.			3909655	5548000
2. License fee			9057198	17106751
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc.			-----	-----
4. Electricity charges recovered			-----	-----
5. Water charges recovered			-----	-----
Total (A)			12966853	22654751
B. Sale of Institute's publications				
C. Income from holding events				
1. Gross Receipts from annual function/sports carnival			-----	-----
Less : Direct expenditure incurred on the annual function/sports carnival				
2. Gross Receipts from fest			-----	-----
Less : Direct expenditure incurred on the fest				
3. Gross Receipts for educational tours			-----	-----
Less : Direct expenditure incurred on the tours				
4. Others (to be specified and separately disclosed)			-----	-----
Total (C)				
D. Others				
1. Income from consultancy			-----	-----
2. RTI fee			42932	19777
3. Income from Royalty			-----	-----
4. DU recruitment			5753000	0
5. Misc. receipts (Sale of tender form, waste paper, etc.)			1048814	473820
6. Profit on Sale/disposal of Assets				
a) Owned assets			-----	-----
b) Assets received free of cost			-----	-----
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations			-----	-----
8. Health Centre Contribution			27351104	31825567
9. Others (Specify)			20658584	8010606
Total (D)			54854434	40329770
GRAND TOTAL (A+B+C+D)			67821287	62984521

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 14- PRIOR PERIOD INCOME

Particulars	Amount in ₹	
	Current Year	Previous Year
1. Academic Receipts	----	----
2. Income from Investments	----	----
3. Interest earned	----	----
4. Other Income	----	----
Total	----	----

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE - 15 STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

<u>Particulars</u>	Amount in ₹					
	<u>Current Year</u>			<u>Previous Year</u>		
	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>
a) Salaries and Wages						
Teaching staff	2491765	1371974516	1374466281	11201867	1395626962	1406828829
Non-Teaching staff	4634617	1217629147	1222263764	12807878	845372340	858180218
Lower Subordinate staff	-----	241914911	241914911	125665	253901521	254027186
b) Allowances and Bonus	-----	-----	0	-----	13857214	13857214
c) Contribution to Provident Fund	-----	3399921	3399921	-----	4075298	4075298
d) Contribution to other funds (specify)	-----	-----	0	-----	-----	0
e) Staff Welfare Expenses (Liveries)	-----	739484	739484	-----	613510	613510
f) Retirement and Terminal Benefits	-----	2045419564	2045419564	621234	2740492121	2741113355
g) LTC facility	-----	39823840	39823840	-----	23160413	23160413
h) Medical facility	-----	151888149	151888149	-----	134485232	134485232
i) Children Education Allowance	227107	12032239	12259346	184500	12020646	12205146
j) Honorarium	346500	114970607	115317107	281649	84844483	85126132
k) Others	-----	-----	0	-----	-----	0
Total	7699989	5199792378	5207492367	25222793	5508449740	5533672533

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFIT

					Amount in ₹
	Pension	Gratuity	Leave Encashment	Total	Previous year
Opening Balance as on 01.04.17	16984796238	1120240441	1054065434	19159102113	17620155966
Addition : Capitalized value of Contributions Received from other Organizations	19153955	10495768	1520784	31170507	16693566
Total (a)	17003950193	1130736209	1055586218	19190272620	17636849532
Less: Actual Payment during the Year (b)	1024553635	115740424	98939135	1239233194	1173413401
Balance Available on 31.03.18 c (a-b)	15979396558	1014995785	956647083	17951039426	16463436131
Provision required on 31.03.18 as per Actuarial Valuation (d)	17828303630	1246794419	873230725	19948328774	19159102113
A. Provision to be made in the Current year (d-c)	1848907072	231798634	(83416358)	1997289348	2695665982
B. Contribution to New Pension Scheme	----	----	----	47410216	44526139
C. Medical Reimbursement to Retired Employees	----	----	----	----	----
D. Travel to Hometown on Retirement	----	----	----	----	----
E. Deposit Linked Insurance Payment	----	----	----	720000	300000
TOTAL (A+B+C+D+E)	1848907072	231798634	(83416358)	2045419564	2740492121

Note:

1. The total (A+B+C+D+E) in this sub schedule will be the figure against Retirement and Terminal Benefits in Schedule 15.
2. Items B,C,D&E will be accounted on accrual basis and will include bills preferred but outstanding for payment on 31/3/18

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

Amount in ₹						
SCHEDULE 16 - ACADEMIC EXPENSES	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory Expenses	2998402	17659833	20658235	31931114	13897265	45828379
b) Field work/Participation in Conferences	1188760	627344	1816104	1947676	-----	1947676
c) Expenses on Seminars/Workshops	2426947	5754422	8181369	2875315	7741503	10616818
d) Award and Scholarships	39614484	45263028	84877512	105925499	1329774	107255273
e) Registration charges of institution of Eminence	-----	10000000	10000000	-----	7938393	7938393
d) Payment to visiting faculty	659816	38290	698106	216086	0	216086
e) Examination	-----	394012058	394012058	11400	299881219	299892619
f) Refund of Fees	-----	1088947	1088947	-----	1552959	1552959
g) Entrance Exam	-----	42940437	42940437	-----	24300129	24300129
f) Student Welfare Expenses	-----	-----	0	-----	-----	0
g) Admission Expenses	-----	-----	0	-----	-----	0
h) Convocation Expenses	-----	-----	0	-----	-----	0
i) Publications	318778	319985	638763	996008	-----	996008
j) Stipend/means-cum-merit scholarship	-----	423886	423886	-----	-----	0
k) Subscription Expenses	-----	-----	0	-----	-----	0
l) Others (specify)	-----	-----	0	2778620	-----	2778620
TOTAL	47207187	518128230	565335417	146681718	356641242	503322960

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

				Amount in ₹		
SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure						
a) Electricity and Power	----	272639105	272639105	----	279634317	279634317
b) Water charges	----	69810200	69810200	----	54935426	54935426
c) Insurance	----	----	0	----	----	0
d) Rent, Rates and Taxes (including property tax)	79632	48479683	48559315	----	44668728	44668728
B) Communication						
e) Postage and Telephone	300	7392485	7392785	120999	7900267	8021266
f) Telephone, Fax and Internet Charges	----	----	0	----	----	0
g) Connectivity Expenses	----	79682177	79682177	2904581	57346950	60251531
C) Others						
h) Printing and Stationery (consumption)	980687	16932575	17913262	3448548	14143406	17591954
i) Travelling and Conveyance Expenses	5657385	6861559	12518944	17483372	13366714	30850086
j) Hospitality	725779	----	725779	1485059	----	1485059
k) Auditors Remuneration	----	----	0	----	----	0
l) Legal & Professional Charges	----	9864021	9864021	185169	11014645	11199814
m) Advertisement and Publicity	----	3206557	3206557	85405	0	85405
n) Magazines & Journals	----	68596187	68596187	791197	68470253	69261450
o) Watch & Ward Expenses	----	118539386	118539386	908226	77700042	78608268
p) House Keeping Expenses	----	76520732	76520732	----	47385636	47385636
q) Games & Sports	----	8894746	8894746	286128	6995800	7281928
r) Medical Expenses	----	42641036	42641036	16675	62149569	62166244
s) Others/Contingency	739634	22370982	23110616	4899414	26801851	31701265
TOTAL	8183417	852431431	860614848	32614773	772513604	805128377

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

Amount in ₹

SCHEDULE - 18 TRANSPORTATION EXPENSES	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by institution)	----	----	0	----	----	0
a) Running expenses	----	----	0	----	----	0
b) Repairs & maintenance	----	----	0	----	----	0
c) Insurance expenses	----	----	0	----	----	0
2 Vehicles taken on rent/lease	----	----	0	----	----	0
a) Rent/lease expenses	----	----	0	----	----	0
3 Vehicle (Taxi) hiring expenses	33283	1369326	1402609	5857416	1079093	6936509
Total	33283	1369326	1402609	5857416	1079093	6936509

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

Amount in ₹

SCHEDULE - 19 REPAIRS & MAINTENANCE	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Buildings	-----	123572932	123572932	-----	161114197	161114197
b) Furniture & Fixtures	48540	4831969	4880509	153085	5491043	5644128
c) Plant & Machinery	16166	1087548	1103714	7210532	15277748	22488280
d) Office Equipment	2956347	6384473	9340820	-----	-----	0
e) Computers	415354	5895341	6310695	3019326	-----	3019326
f) Laboratory & Scientific equipment	-----	969496	969496	-----	400031	400031
g) Audio Visual equipment	-----	-----	0	-----	-----	0
h) Cleaning Material & services	-----	-----	0	-----	-----	0
i) Book binding charges	-----	-----	0	-----	-----	0
j) Gardening	5450	7561940	7567390	41700	5318752	5360452
k) Estate Maintenance	-----	-----	0	-----	-----	0
l) Vehicles	-----	1970904	1970904	-----	1823791	1823791
m) Others (Specify)	1551004	-----	1551004	-----	-----	0
	-----	-----	0	-----	-----	0
Total	4992861	152274603	157267464	10424643	189425562	199850205

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

Amount in ₹

SCHEDULE - 20 FINANCE COSTS		Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Bank charges	363044	1,06,625	469669	273703	169860	443563
b)	Others (specify)	-----	-----	-----	-----	-----	-----
Total		363044	106625	469669	273703	169860	443563

Note:- If the amount is not material, the head Bank charges could be omitted and these could be accounted as Administrative expenses in Schedule 17.

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018							
							Amount in ₹
SCHEDULE - 21 Expenditure on Grants, Subsidies etc.	Current Year			Previous Year			
	Plan	Non Plan	Total	Plan	Non Plan	Total	
a) Provision for Bad and Doubtful Debts/Advances	-----	-----	-----	-----	-----	-----	
b) Irrecoverable Balances Written- off	-----	-----	-----	-----	-----	-----	
c) Grants/Subsidies to other institutions/organizations	209028830	127549571	336578401	51001824	110484504	161486328	
d) Others (specify)	-----	-----	-----	-----	-----	-----	
Total	209028830	127549571	336578401	51001824	110484504	161486328	
Note:-							
	Other expenses shall be classified as writes - off, provisions, miscellaneous expenses, loss on sale of investments, loss of fixed assets and loss on sale of fixed assets etc. and disclosed accordingly.						

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018									
SCHEDULE 22: PRIOR PERIOD EXPENSES									
									Amount in ₹
Particulars	Current Year			Previous Year					
	Plan	Non Plan	Total	Plan	Non Plan	Total			
1 Establishment expenses	0	0	0	----	----	----			
2 Academic expenses	----	----	0	----	----	----			
3 Administrative expenses	----	----	0	----	----	----			
4 Transportation expenses	----	----	0	----	----	----			
5 Repairs & Maintenance	----	----	0	----	----	----			
6 Other expenses	----	----	0	----	----	----			
7. Depreciation related to prior period	----	----	0	1195708575	0	1195708575			
Total	0	0	0	1195708575	0	1195708575			

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018

	Amount in ₹	
Increase/Decrease in Stock	Current year	Previous year
a.) Closing Stock		-
Stationery	9362094	12715923
Drugs and Medicines	16531904	3895059
Liveries	0	196474
Answer Sheet	0	15012418
b.) Less :Opening Stock	31819874	-----
Net Increase/Decrease (A-B)	(5925876)	31819874

UNIVERSITY OF DELHI

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2018

Schedule 23: Significant Accounting Policies

1 Basis for Preparation of accounts :

- a. The financial statements are prepared on the basis of historical cost convention and generally on the accrual method of accounting unless otherwise stated.

2 Revenue Recognition :

- a. Fee from students, Sale of admission forms, tuition fees for each semester and Interest on Savings Bank accounts are accounted for on cash basis.
- b. From F.Y 2016-17 University has changed its policy regarding accounting of Income from Land, Buildings and other Property and Interest on investments from cash basis to accrual basis.
- c. Interest on interest bearing advances to staff for House Building, Purchase of Vehicles and Computers are accounted for accrual basis every year, though the actual recovery of interest starts after the full repayment of the principal.

3 Fixed Assets and Depreciation :

- a. Fixed assets are stated at cost of acquisition including inward freight, duties, taxes, incidental direct expenses related to acquisition, installation and commissioning less depreciation. Fixed assets received by the University without any consideration has been capitalized in the financial statement at a nominal value i.e., at ₹.One per asset.

3.1 Gifted / donated assets are valued at a nominal value at `Rs. 1/- (One) per asset.

3.2 Books received as gift are valued at a nominal value i.e., at `Rs. 1/- (One) per asset.

3.3 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on written down value method as specified in the Guidance Note issued by the Institute of Chartered Accountants of India, at the following rates :

Tangible Assets:

S.No.	Type of Assets	Rate
1	Land	0%
2	Building	5%
3	Furniture & Fixture	25%
4	Scientific Equipment	40%
5	Computer including Printers, UPS etc.	40%
6	Library Books	50%
7	Buses, Vans etc.	30%
8	Cars, Scooters	25%
9	Plant & Machinery including Air-conditioners, Generators, Fire Extinguishers, Telephone, Television sets, Photo copiers, Fax Machines, Water Coolers, Projectors etc.	20%
10	Musical Instruments	50%
11	Sports Equipment	50%

Intangible Assets (amortization):

1	Computer Software	40%
2	Patents	25%

3.4 In respect of additions to fixed assets during the year, depreciation is provided for full year. In respect of sale/deductions from the fixed assets, no depreciation is charged.

3.5 Assets created out of Earmarked Funds where the ownership of such assets vest in the university, are set-up by credit to Capital Fund and merged with the Fixed Assets of the University. Depreciation is charged at the rates applicable to respective assets. Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

3.6 Assets, the individual value of each of which is Rs 5000/- or less (except Library books) are treated as revenue expenditure. However physical accounting and controls are continued by the holders of such assets.

4 Intangible Assets:

Patents, copy rights and computer software are grouped under intangible Assets.

4.1 **Patents:** The expenditure incurred from time to time (application fees, legal expenses etc.) for obtaining Patent is capitalized and shown as part of Intangible assets in the Balance Sheet. If applications for Patents are rejected, the cumulative expenditure incurred on the particular Patent is written off to the Income & Expenditure in the year of application is rejected. The rate of depreciation is provided @ 25% on written down value method.

4.2 Electronic Journals: The amount spent on E- Journals/ periodicals are treated as revenue expenditure to the extent of the benefits utilized in the current year and rest of the amount is accounted in books of account on accrual basis as prepaid expenses.

4.3 Expenditure on acquisition of software has been separated from computer and peripherals and depreciation is provided @ 40% on written down value method w.e.f. **1st April, 2014.**

5 Stocks:

The stock at the end of the year has been valued at the cost and has been shown in Income and Expenditure account under the head of expenses. Since the cost incurred on purchase of these items has already been accounted as expenditure.

6 Retirement Benefits :

Retirement Benefits i.e., pension, gratuity and leave encashment are provided on the basis of actuarial valuation as per Accounting Standard -15. Capitalized value of Pension, gratuity and earned leave received from previous employers of Universities employees, who have been absorbed in the university is credited to the respective provision Accounts. Pension and leave salary contribution received in respect of employees on deputation is also credited to the respective provision accounts.

7 Investments :

All Investment are stated at cost.

8 Earmarked/ Endowment Funds :

The Earmarked Fund consisting of Corpus Fund, Housing Building Fund, Conveyance Fund (including computer advances and other such funds) are long term funds and earmarked for specific purposes. Each of the Funds has a separate bank account. Those with large balances also have investment in government securities, bonds and term deposit with Banks. The income from investment/ advances (house building, conveyance and computer) is accounted on accrued basis and interest on savings bank accounts are credited to the respective fund on cash basis. The expenditure and advances (in the case of housing building conveyance/computers) are debited to the respective funds.

8.1 The balance of respective funds is carried forward on the liability side of the Balance Sheet and is represented by bank balance, advances, Fixed Deposit and investment on the asset side of the Balance Sheet.

8.2 Assets purchased/created out of Earmarked Funds where the ownership of the assets vests in the University, are merged with the fixed assets of the University by debiting respective fixed asset account and crediting Capital Fund account. Depreciation is charged at the rates applicable to the respective assets.

8.3 Endowment Funds: Endowment Funds are received from various individual donors, Trust and other Organization, for establishing Chairs and for Medals, Prizes and scholarships, as specified by the donors.

The Income from investment of each Endowment Fund is added to the Fund. The expenditure on Medals & Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward to next year. In respect of chairs, however, the Corpus of Endowment is also used.

The balances are represented by Investment in RBI Bonds and Fixed Deposits and balance in Savings Bank Account common for all Endowments, and Accrued Interest on Investments.

9 Government and UGC Grants :

9.1 Government Grant and UGC grants are accounted for on receipt basis. However, where a sanction for release of grant pertaining to financial year received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount shown as recoverable from grantor.

9.2 To the extent utilized towards capital expenditure (on accrual basis), grant from UGC are transferred to the capital fund.

9.3 UGC grant to the extent utilized for meeting Revenue Expenditure (on accrual basis) are treated as income of the year in which they are realized.

9.4 Unutilized Grant (including advances paid out of such grants) are carried forward and exhibited as a liability in the Balance Sheet

10 Investments of Earmarked Fund and Interest Income Accrued on such Investments:

To the extent not immediately required for expenditure the amounts available against such funds are invested in approved Securities and Bonds or deposited for fixed term with Banks, leaving the balance in Savings Bank Account.

Interest received, interest accrued and due and interest accrued but not due on such investment are added to the respective funds and not treated as income of the Institution.

11 Sponsored Projects :

11.1 In respect of ongoing sponsored projects the amount received from sponsors are credited to the head Current liabilities and Provisions- Current Liabilities – Other Liabilities – receipt against ongoing sponsored projects. As and when expenditure incurred/ advances are paid against such project, or the concerned project account is debited with allocated overhead charges, the liability account is debited.

11.2 In addition to funds for fellowship released by the UGC, fellowship and scholarship are also sponsored by various organizations. These are accounted in the same way as Sponsored Project except that the expenditure generally is only on distribution of fellowship and Scholarship which may include allowances for contingent expenditure by fellow and scholars.

11.3 The Institutions itself also awards fellowships and Scholarships, which are accounted on Academic expenses.

11.4 Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

12 Income Tax :

The Income of the institution is exempt from Income Tax under section 10(23) (c) of the Income Tax Act. No provision for tax is therefore made in the accounts.

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2018

Schedule 24: Contingent Liabilities and Notes on Accounts

1 Contingent Liabilities :

(a) Various claims filed by present/former employees of the University are pending before Industrial Tribunals and the Hon'ble High Court of Delhi. The quantum of claim is not ascertainable.

(b) An Amount of Rs 14.25 Crore is payable to ECIL as balance payment for supplying and commissioning of security equipment related to various venues of DU areas during Commonwealth Games 2010 (against bill amount of Rs 28.23 Crore). The balance payment was stopped by the Ministry of Home Affairs as the matter is sub- Judice in the Hon'ble Court.

2 Capital Commitments (Capital Works In Progress)

Capital Works in Progress includes the amount paid by University till 31st March 2018 towards construction of the following Projects

I. Construction of stadium for Common Wealth Games	₹ 311,18,50,653/-
II. Construction of 1500 seated Rajiv Gandhi Girls Hostel for under graduate and Post graduate students at Dhaka North Campus	₹ 74,72,81,869/-
III. Construction of 70 'D' type flats at Dhaka	₹ 8,38,20,926/-
IV. Other Projects From Earmarked/ Endowment Fund	₹12,28,72,429/-

3 Fixed Assets :

3.1 Addition in the year to Fixed Assets in Schedule 4 include assets purchased out of plan funds Rs.11,67,88,962/- Non plan Funds Rs. 6,58,98,724/- and Earmarked/Endowment Fund Rs 1,07,55,064/- sponsored projects closed 1,43,99,432/- and Library Books and other assets of the value of Rs 778/- (at nominal value of Rs. 1/- per assets) gifted to the university. The assets have been set up by credit to Capital Fund.

3.2 In the Balance sheet as on 31st March, 2014 and the Balance Sheets of earlier years Fixed Assets created out of Plan Fund and Fixed Assets created out of non-plan funds were not exhibited distinctly. Further the addition during the year from plan, non-plan funds, and other funds, and the depreciation on those additions respectively has been exhibited distinctly in sub schedule A B & D to the main schedule of the Fixed Assets (Schedule 4)

3.3 Fixed Assets set out in Schedule 4 do not include Assets purchased out of funds of sponsored Project, held & used by the university, as Project contracts includes stipulations that all such Assets purchased out of Project funds will remain the property of Sponsors till the project is closed.

4 Deposit Liabilities :

There is no amount of earnest money deposit & security deposit which has been transferred to Revenue Account

5 Expenditure in Foreign currency :

Transaction denominated in Foreign Currency are accounted for at the exchange rate prevailing at the date of payment/realization.

6 Current Assets, Loans & Advances and Deposits :

7.1 In the opinion of the management, the Current Assets, Loans and Advances have a value on realization in the ordinary course, equal at least to the aggregate amounts shown in the Balance Sheet.

7.2 The Loans & Advances shown in the asset side of the Balance Sheet does not include, advances pertaining to period up to 31st March 2006, are still outstanding for final statement. These advances were charged to the respective head of account at the time of release of advance.

7 Bank Balances :

The details of balances in Savings Bank Accounts, Currents Accounts & Fixed Deposit Accounts with Banks are enclosed as attachment "A" to the schedule of current assets.

- All Savings Bank Accounts with auto sweep facility (Flexi Deposit) generate interest at the rate applicable to the Fixed Deposit for the duration for which the funds are kept in the "Flexi Deposit Account". The interest income in such savings bank accounts is accounted for on accrual basis.

8 Previous year figures have been regrouped/rearranged where ever necessary.

9 Figures in the final accounts have been rounded off to the nearest rupee.

10 Schedule 1 to 24 are annexed to & form an integral part of the Balance Sheet as on 31st March 2018 and the Income & Expenditure Account for the year ended 31st Mar 2018

11 Provident Fund Accounts:

As the Provident Fund Accounts including New Pension Scheme Fund are owned by the members of those funds and not by the University, these accounts were separated from the University Accounts. However, a Receipts & Payments Accounts, an Income & Expenditure Account (on Accrual basis) and a Balance Sheet of the Provident Fund Accounts as well as the New Pension Scheme for the year 2017-18 have been attached, to the University's Accounts.

12 Salaries:

The expenditure on salary is for the period from March 2017 to February 2018. No provision is made towards salary for the month of March 2018.

13 Halls & Hostel:

As Hall & Hostels are separate reporting entities, their accounts are prepared separately from the University Accounts. However, a consolidated Receipts & Payments Account , consolidated Income & Expenditure Account and a consolidated Balance Sheet of all the Halls & Hostels and Guest Houses have been attached to the University's Account.

14 Delhi University Press:

As University Press is a separate reporting entity, its accounts are prepared separately and attached to the University's Account.

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2018							
							Amount in ₹
RECEIPTS		Current Year	Previous Year	PAYMENTS		Current Year	Previous Year
I. Opening Balances				I. Expenses			
a) Cash Balances			----	a) Establishment Expenses		4418265705	3994726386
b) Bank Balances				b) Academic Expenses		565335417	503322960
i. In Current Accounts		65626464	69881547	c) Administrative Expenses		853301118	779428440
ii. In Saving Accounts		1228784221	1040611971	d) Transportation Expenses		1402609	6936509
iii. In Deposit Accounts		10123882586	9716383113	e) Repairs & Maintenance		157267464	199850205
c) Permanent Advance		943500	983500	f) Finance costs		469669	443563
II. Grants Received				g) Expenditure on Grant		336578401	161486328
a) From Government of India		----	----	h) Prior Period Items		----	----
b) From State Government		----	----				
c) From UGC				II. Payments against Earmarked/ Endowment Funds		399813660	450955909
i) Grant for Capital Expenditure-Non Plan	65898724		----				
ii) Grant for Revenue Expenditure-Non Plan	4991399276		----	III. Payments against Sponsored Projects/Schemes		550570609	555192068
Less: Advance Grant received	----	5057298000	4335230000				
d) From other sources (details)				IV. Payments against Sponsored Fellowships/Scholarships		90093724	335144552
(Grants for capital & revenue exp/ to be shown separately if available)				V. Payments against Plan Accounts		----	----
III. Academic Receipts				VI. Investments and Deposits made			
a) Fees and Subscriptions		1079689193	941496552	a) Out of Earmarked/Endowment		635100000	----
b) Sale of Publications		244740	12544233	b) Out of own funds (Investments - Others)		----	----
IV. Receipts against Earmarked/Endowment Funds		927543075	611963335	VII. Term Deposits with Scheduled Banks		----	----
V. Receipts against Sponsored Projects/Schemes		582212537	580930373	VIII. Expenditure on Fixed Assets and		----	----
VI. Receipts against Plan		37029625	246082071	a) Fixed Assets		193607434	1745679530
VII. Receipts against Sponsored Fellowships and Scholarships		137431420	328040602	b) Capital Works - In - Progress		----	----
				IX. Other Payments including			
				Other body transaction		15966727	27538910

VIII. Income on Investments From				X. Refunds of Grants	----	----
a) Earmarked/Endowment Funds		427321925	311459728			
b) Plan Accounts		226236751	305857123	XI. Deposits and Advances		
c) Sponsored Projects		116182720	89003867	a) Festival Advance	12500809	9785235
d) Sponsored Fellowship & Scholarship		6071230	4202701	b) Advances	----	----
				c) Permanent Advance	----	----
IX. Interest received on				d) Medical Advance	----	----
a) Bank Deposits		40172529	38086481	e) LTC Advance	9260915	----
b) Loans and Advances		----	----	f) Remittances	----	----
c) Savings Bank Accounts		2907044	10757610			
X. Investments encashed		----	97600000	XII. Other Payments	----	----
XI. Term Deposits with Scheduled Banks encashed		----	----	XIII. Closing Balances		
				a) Cash in hand		----
				b) Bank Balances		
XII. Other Income (including Prior Period Items)		66129293	62834521	- In Current Accounts	66031191	65626464
				- In Savings Accounts	891760948	1228784221
				- In Deposits Accounts	11082529870	10123882586
XIII. Deposits and Advances				c) Permanent Advance	922600	943500
a) Festival Advance		12701449	10199885			
b) LTC Advance		----	2471227			
c) Medical Advance		53000	451000			
d) Permanent Advance		----	----			
e) Advances		87528256	1325488119			
f) Remittances		4672176	1323844			
XIV. Miscellaneous Receipts including Statutory Receipts		39016709	44188743			
XV. Any Other Receipts		11100427	1655221			
TOTAL		20280778870	20189727367	TOTAL	20280778870	20189727367

PROVIDENT FUND ACCOUNT
BALANCE SHEET AS ON 31st MARCH 2018

(Amount/Rs.)						
Previous Year 31.03.17	Liabilities		Current Year 31.03.18	Previous Year 31.03.17	Assets	Current Year 31.03.18
	<u>GPF</u>	-				
3307304110	Opening Balance	3490971612		2354990000	Investment (Bonds)	
475912213	Add: Subscriptions in the year	481248991			-- GPF	1343000000
261196202 (553440880) (33)	Add: Interest Credited	268576530			-- CPF	1283990000
	Less: Advance/Withdrawal	(522501493)				
	Less: Adjustment relating to Previous yr.	(245426)		1894700000	Deposits Accounts (FD)	
3490971612	Closing Balance		3718050214		-- GPF	1136300000
	<u>CPF</u>	-			-- CPF	633700000
701457091	Opening Balance	630616105		101174110	Interest Accrued as on 31.03.2018	155787703
48172679	Add: Subscriptions & Contribution repayment of advance in the year	41381377			Bank Balances with SBI Bank in Saving Accounts :-	
45997571 (165011195) (41)	Add: Interest Credited	42060633				
	Less: Advance/Withdrawal/Final settlement	(99174494)		31589169	--GPF A/c No.10851298435	62286851
	Less: Adjustment related to Previous Year	(105)				
630616105	Closing Balance		614883516	69136762	--CPF A/c No.10851298457	86188226
	<u>Interest Reserve</u>	-				
284648814 45353510	Opening Balance	330002324				
	Add: Excess of Income over Expenditure	38316726				
330002324	Closing Balance		368319050			
4451590041	TOTAL		4701252780	4451590041		4701252780

PROVIDENT FUND ACCOUNT
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2018

					(Amount / Rs.)
Previous Year 31.03.17	Expenditure	Current Year 31.03.18	Previous Year 31.03.17	Income	Current Year 31.03.18
	Interest Credited to:		481795537	Interest earned on Investment & SB A/c	294099093
261196202	GPF Account	268576530	101174110	Add: Interest accrued during the year 2017-18	122884777
45997571	CPF Account	42060633	74	Add: Adjustment related to previous year (GPF A/c 245426 + CPF A/c 105)	245531
6346	Bank Charges	4328	(230416092)	Less Interest accrued for the year 2016-17, but realized during the year 2017-18	(68271184)
	(GPF A/c 3986 + CPF A/c 342)				
45353510	Excess of Income over Expenditure	38316726			
352553629	Total	348958217	352553629	Total	348958217

PROVIDENT FUND ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2017-18

Receipts	(Amount / Rs.)	Payments	(Amount / Rs.)
Opening Balance as on 01/04/17			
GPF A/c No.10851298435	31589169	GPF Adv./Withdrawal/Final Settlement	522501493
CPF A/c No.10851298457	69136762	CPF Adv./Withdrawal/Final Settlement	99174494
GPF Subscription	481248991	Investment during the year (GPF 815100000 + CPF 470200000)	1285300000
CPF Subscription & University Contribution	41381377	Bank Charges (GPF A/c 3986 + CPF A/c 342)	4328
		Closing Balances:	
Investment Encashed (GPF 727600000 + CPF 410400000)	1138000000	GPF A/c No.10851298435	62286851
Interest Received (GPF 159454170 + CPF 134644923)	294099093	CPF A/c No.10851298457	86188226
TOTAL	2055455392	TOTAL	2055455392

NPS TIER-I ACCOUNT

BALANCE SHEET AS AT 31st MARCH 2018

(Amount /
Rs.)

Amount 31.03.17	Liabilities		Amount 31.03.18	Amount 31.03.17	Assets		Amount 31.03.18
	<u>NPS Tier-I Account :-</u>						
373791	Opening Balance	365981		2617000	Investment		2807000
88485500	Add: Sub + Uni. Contribution	93973576		56609	Interest accrued but not realized		57408
	Add: Excess Receipts (Remittance)	73612		83039	Balance at Bank Saving A/cs		421217
(88493310)	Less: Amount transferred to NSDL	- <u>(93813384)</u>	599785				
	<u>Interest Reserve :-</u>	-					
2134012	Opening Balance	2390667					
256655	Add: Excess of Income over Exp.	<u>295173</u>	2685840				
2756648	TOTAL		3285625	2756648	TOTAL		3285625

INCOME & EXPENDITURE ACCOUNT FOR THE FINANCIAL YEAR 2017-18

(Amount /
Rs.)

Amount 31.03.17	Expenditure	Amount 31.03.18	Amount 31.03.17	Income	Amount 31.03.18
1166	Bank Charges	767	275045	Interest received on investment (F.D. & Flexi A/c)	295141
256655	Excess of Income over Expenditure	295173		Interest accrued for the year 2016-17 but realized during 2017-18	(56609)
			(73833)		
			56609	Interest accrued but not realized	57408
257821	TOTAL	295940	257821	TOTAL	295940

NPS TIER-I ACCOUNT

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2017-18

Amount 31.03.17	Receipts	Amount 31.03.18	Amount 31.03.17	Payments	Amount 31.03.18
11970	Opening Balance as on 01/04/2017	83039	2617000	Investment	2807000
	<u>NPS Tier-I Account</u>				
88485500	Own Subscription & University Contribution	93973576	88493310	Withdrawal/Refund to NSDL	93813384
	Excess Receipts (Remittance)	73612	1166	Bank Charges	767
232565	Interest Received on investment (NPS)	270552			
42480	Interest on Saving Bank A/c	24589			
2422000	Investment Encashed (F.D.)	2617000	83039	Closing balance as on 31.03.2018	421217
91194515	TOTAL	97042368	91194515	TOTAL	97042368

UNIVERSITY PRESS

BALANCE SHEET AS AT 31st MARCH 2018

FUNDS & LIABILITIES	CURRENT YEAR	PREVIOUS YEAR
	Rupees	Rupees
1. <u>Capital</u>	8,706,160.00	6,315,552.00
2. <u>Current Liabilities</u>		
(a) Deduction from Salary Bills	1,199,974.00	1,159,813.00
(b) Bills Payable	2,942,246.00	992,400.00
3. <u>Loan & Advance:</u>		
(a) Advance for work to be done	130,000.00	130,000.00
(b) Inter Bank Transfer	17,395,492.00	17,395,492.00
(c) Other Liabilities	10,050.00	10,000.00
(d) Earnest Money	53,500.00	50,500.00
TOTAL	30,437,422.00	26,053,757.00
ASSETS	CURRENT YEAR	PREVIOUS YEAR
	Rupees	Rupees
1. Machinery, Furniture & Equipments	203,977.00	258,223.00
2. Amount Receivable	22,433,386.00	20,234,958.00
3. <u>Stock in Hand</u>		
(a) Raw Material	1,383,462.00	614,900.00
(b) Finished Goods	45,978.00	20,640.00
4. Work in Progress	4,817,430.00	1,153,000.00
5. Cash in Bank	1,537,189.00	3,770,136.00
6. Festival Advance	-	900.00
7. Permanent Assets	1,000.00	1,000.00
8. Advance Contingency	15,000.00	-
TOTAL	30,437,422.00	26,053,757.00

UNIVERSITY PRESS

PROFIT & LOSS ACCOUNT FOR THE YEAR 2017-2018

Particulars	Current Year	Previous Year	Particulars	Current Year	Previous Year
1. <u>To Opening Stock:</u>			1. <u>Income:</u>		
(a) Raw Materials	614,900.00	1,128,533.00	(a) Income from Printing and Binding	14,301,450.00	19,030,047.00
(b) Finished Goods	20,640.00	49,850.00			
2. <u>To work in Progress</u>	1,153,000.00	365,000.00	2. <u>By Closing Stock:</u>		
3. <u>To Pay and Allowances:</u>	6,598,380.00	6,650,455.00	(a) Raw Materials	1,383,462.00	614,900.00
(a) L.T.C.	40,363.00	8,395.00	(b) Finished Goods	45,978.00	20,640.00
(b) Tuition Fees	27,000.00	18,000.00			
(c) Bonus	-	126,071.00			
(d) Medical Re-imbursement	762,664.00	352,674.00			
4. <u>To Purchase of Raw Materials</u>	4,803,385.00	1,870,816.00	3. <u>By Work in Progress</u>	4,817,430.00	1,153,000.00
5. <u>To Misc. Contingent Exp.</u>	37,758.00	35,739.00			
6. <u>To Rate, Rent and Taxes</u>	9,425.00	6,379.00			
7. <u>To Work Don Through Outside Agency</u>	4,035,951.00	7,817,708.00			
8. <u>Depreciation:</u>					
(a) Machinery, Furniture & Equipment	54,246.00	69,918.00			
9. <u>Profit</u>	2,390,608.00	2,319,049.00			
TOTAL	20,548,320.00	20,818,587.00	TOTAL	20,548,320.00	20,818,587.00

DELHI UNIVERSITY PRESS A/C NO. 10851295354						
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2018						
						<i>Amount in ₹</i>
Receipts	Current Year	Previous Year		Payments	Current Year	Previous Year
I <u>Opening Balance</u>				I <u>Expenses</u>		
Bank Balance	3770136	482316		Establishment Expenses	7428407	7160095
Deposit in Bank	----	----				
II <u>Receipts from Printing & Binding work</u>	12103022	19640437		II <u>Other Administrative Expenses</u>		
				Expenditure	6951623	9339064
III <u>Deductions/Recoveries</u>	3516406	3280333				
				Festival Advance	5400	4500
Festival Advance	6300	9900				
				Remittance	3476245	3139191
Earnest Money	3000	----				
				III <u>Closing Balance</u>		
				Bank Balance	1537189	3770136
Total	19398864	23412986			19398864	23412986

HALLS AND HOSTELS
BALANCE SHEET AS AT 31st MARCH, 2018

		Amount in ₹
SOURCE OF FUNDS	Current Year	Previous Year
COURPUS/CAPITAL FUND	281063732	249102659
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	46210352	43449599
CURRENT LIABILITIES & PROVISIONS	16895694	14545250
TOTAL	344169778	307097508
APPLICATION OF FUNDS		
Fixed Assets		
Tangible Assets	20615957	24164990
Intangible Assets	9331	9712
Capital Works-In-Progress	0	0
INVESTMENT FROM EARMARKED/ENDOWMENT FUNDS		
Long Term	0	0
Short Term	11928551	20350202
INVESTMENTS- OTHERS	57443772	51727957
CURRENT ASSETS	239296149	202350708
LOANS, ADVANCES & DEPOSITS	14930242	8548162
MISCELLANEOUS EXPENDITURE	(54224)	(54224)
TOTAL	344169778	307097508

HALLS AND HOSTELS
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2018

Amount in ₹

Particulars	Current Year	Previous Year
(A) INCOME		
Academic Receipts	55866961	47315301
Grants/Subsidies	126457557	109185694
Income From Investment	15297355	13501338
Interest Earned	1709805	2154183
Other Income	49624023	44086020
Prior Period Income	0	0
Total (A)	248955701	216242536
(B) EXPENDITURE		
Staff Payments & Benefits (Establishment Expenses)	137592475	118037989
Academic Expenses	0	2549808
Administrative and General Expenses	65838607	52495450
Transportation Expenses	580876	544399
Repair & Maintenance	8137143	8449823
Finance Costs	147136	49394
Depreciation	6362887	7456821
Other Expenses	0	0
Prior Period Expenses	0	0
Total (B)	218659124	189583684
Excess of Income over Expenditure/ (Expenditure over Income) (A-B)	30296577	26658852
Balance being Surplus/(Deficit) carried to Capital Fund	30296577	26658852

HALLS AND HOSTELS
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2018

						Amount in ₹
Receipt	Current Year	Previous Year	Payment	Current Year	Previous year	
I. Opening Balance			I. Expenses			
- Cash in Hand	143310	46552	(a) Establishment Expenses	137473819	119219229	
- Bank Balance	92897226	86082587	(b) Academic Expenses	3986207	4224063	
- Imprest	10240104	113578	(c) Administrative Expenses	66146409	55330079	
- Deposit Account	144407997	127309841	(d) Transportation Expenses	607266	544399	
			(e) Repairs & Maintenance Expenses	7774884	8160561	
II. Other Bank Balances	0	200014	II. (a) Payments against Earmarked Fund	14204725	12837792	
III. Grants Received	126258771	110110684	(b) Payment against Projects	81213	531654	
IV. Academic Receipts	48747364	43322539	III. Investments and Deposits made	7705401	5324639	
V. Receipts against Earmarked/Endowment Funds	20653594	17978641	IV. Expenditure on Fixed Assets & Capital work-in-Progress	2909339	3189677	
VI. Interest Received	2409349	7299896	V. Finance Charges	61587	45287	
VII. Income from Investments	18888258	13275330	VI. Deposits and Advances	8359184	7726193	
VIII. Other Income	51530453	45079149	VII. Other Payments	3240562	3683561	
IX. Deposits and Advances	2391290	2555877	VIII. Closing Balances			
X. Any Other Receipts	14061497	15131083	- Cash in Hand	163129	143310	
			- Bank Balance	63404134	92897226	
			- Imprest	336061	10240104	
			- Deposit Account	216175292	144407997	
Total	532629213	468505771	Total	532629213	468505771	