

West Chester University: Full and part-time faculty members who conducted research related to one or more of the United Nations' Sustainable Development Goals between the fall semester of 2020 and the end of summer sessions of 2021. These 56 faculty members represent 29 separate academic departments (including the University Libraries) and collectively are addressing research questions related to most of the 17 SDGs. Information for this inventory was collected by an electronic survey distributed to all 975 full- and part-time faculty in December 2021 by WCU's Office of Sustainability. Inventory compiled on February 28, 2022 by Lois Howell, Graduate Assistant of Data Monitoring and Analysis, Office of Sustainability.

Name	Academic Department	Please provide the following information for each research project you worked on from the 2020 Fall semester through the end of the 2021 summer sessions that explicitly addressed the concepts of social, environmental, or economic sustainability or had a primary and explicit focus on a major sustainability issue (e.g., one or more of the UN SDGs): 1) project title 2) names of collaborators with their institutional affiliations (if any) 3) a brief description of the project 4) type of project (e.g. published papers, books, textbooks, presentations, reports, research grants and works in progress)
1 Michael Di Giovine	Anthropology and Sociology	<p>1. Sustainable Foodways as Markers of Cultural Heritage. This project, held in conjunction with ANT375: Ethnographic Field School, examines the ways in which sustainability is invoked, in discourse and practice, by small-scale, local food purveyors and producers in and around the central Italian province of Perugia. In recent years, I have also examined the ways in which devastating earthquakes in the region of Umbra (in which Perugia is the capital) have affected the local food system. This is covered by 2 IRB protocols. I publish and have presented papers on this at major international conferences.</p> <p>2. Earth Day at 50: Lessons for a Sustainable Future: This project, which can be considered a "creative activity" based on extensive research, is the student co-curated exhibition in the Museum of Anthropology and Archaeology, and focuses on teaching visitors not only the origins and history of Earth Day 1970, but the ways in which we can utilize sustainability lessons to solve our most pressing socio-environmental problems of today. There have been a number of outcomes: 1 public webinar (Sustainability talk) by student co-curators in 2020 and 2 public talks by Indigenous Environmental Artist-Activists Jaida Grey Eagle and Christi Belcourt in 2021; the exhibition, which opened on Earth Day 2021 and will remain open through March 2023; the virtual exhibition which will remain on our website in perpetuity: www.wcupa.edu/EarthDayVirtualExhibition; and a peer reviewed, ISBN-numbered volume in which all student co-curators, as well as faculty and community experts, contribute. This is forthcoming by Kendall-Hunt Publishers.</p> <p>3. Sustainable Study Abroad: Dr. Paul Sylvester and I have undertaken best practices research on how to lower the carbon footprint of our study abroad programs with CIP; as well as how to adequately train students and faculty who will be participating. Because of the pandemic, plans had to shift. We did present this at the Forum for Education Abroad; and a video on carbon footprint and carbon offsets was created. It is on Youtube and is used in ANT/NTD277.</p> <p>4. Carbon Footprint Calculator = This was an initiatives in conjunction with the Earth Day at 50 exhibition. Funded by the WCU Office of Sustainability, two students were to create a unique carbon footprint calculator which would not only calculate a museum visitor's carbon footprint, but would analyze the results. The art student created really wonderful artwork, but the computer student graduated before completing it and has not completed it. I'm working with Computer Science to locate someone else who can take over.</p>

2	Aliza Richman	Anthropology and Sociology	<p>"The Biosocial Health Implications of Bridewealth Transfers in Ghana." An investigation into the cultural practice of bridewealth and its effect on women's health. Published paper.</p> <p>"Race, Ethnicity, and Sex Disparities in Phthalate Concentrations Among U.S. Adults: The Mediating Role of Socioeconomic Factors." Examining population heterogeneity in phthalate concentrations among adults in the U.S. Work in progress and accepted for conference presentation. This project will ultimately be published in a peer-reviewed academic journal.</p> <p>2022 WCU's Campus Sustainability Research and Creative Activity Grant, \$2,000. Project title, Sustainability Census. Research grant.</p>
3	Andrew Snyder	Art + Design	<p>"Evident Truth" Gerald Brown, Isaac Scott, and Justin Rothshank.</p> <p>"Evident Truth is a response by four artists to the current civil climate in the United States. The work on display expresses that this country is not upholding the most basic of philosophies from our founding fathers. As American citizens, we must actively strive to heal our country with fairness, empathy and understanding in any way we can. Hopefully one day, as a nation we will live up to the constitutional sentiments composed so long ago."</p> <p>Evident Truth was an art exhibition first displayed on campus in the Knauer Gallery, and after positive reception was picked up by local gallery "The Art Trust" to be shown afterwards.</p>
4	Kate Stewart	Art + Design	<p>1.) Historical Research and Maintenance in the Campus Pigment and Dye Garden</p> <p>2.) WCU, Josh Braid Campus Grounds Manager</p> <p>3.) In the summer of 2019, West Chester University added a fourth organic garden to campus. This garden is different, however, in that it is not to grow vegetables, as the gardens on south and north campuses and at the president's residence are, but to grow plants used for making natural pigments and dyes. The initiative -- a faculty / staff collaboration -- was organized by Art + Design Professor Kate Stewart and WCU Grounds Manager Josh Braid, following a 2018 presentation by Professor Stewart in our Sustainability Research and Practice Seminar at which Mr. Braid was present. Located outside the E.O. Bull Center for the Arts, the garden is planted with Coreopsis, Black-eyed Susans, Japanese Indigo, Woad, Madder, Lady's Bedstraw and other plants traditionally used in the production of natural dyes and pigments.</p> <p>The garden serves as a teaching garden from which students learn about technological, political and cultural shifts that have had incredible influence over art historical movements and materials available to artists throughout time. Students taking various studio courses are also involved in cultivating and harvesting the plants in the garden for the creation of natural dyes, pigments and art materials. Students also develop an awareness of "slow fashion" through the processing of natural dye plants in response to "faster" conventional methods of production. This garden has the potential to reach a wide range of disciplines at WCU, reinforcing research in Art and Design courses, Art History courses, Theater and Costume Design, Sustainability-related courses and more.</p> <p>4.) Included in the WC Press article about WCU's many campus gardens: "What's Growing in the Borough" (summer 2021)</p>

5	Jessica Schedlbauer	Biology	<p>Project 1</p> <ol style="list-style-type: none"> 1. Influence of forest edge effects on soil respiration and soil carbon storage 2. Jessica Schedlbauer & Jason Miller, Dept. Biology, WCU 3. This is a research project quantifying the role of forest edge effects on the soil carbon cycle, with implications for positive feedbacks to climate change, given increased soil respiration rates documented at forest edge. 4. This is a M.S. thesis project we have submitted for publication. <p>Project 2</p> <ol style="list-style-type: none"> 1. The role of photosynthetic induction and lighfleck response in two native and one non-native understory tree species 2. Jessica Schedlbauer & Sarah Polohovich, Dept. Biology, WCU 3. This is a research project documenting understory tree species ability to exploit the challenging understory light light environment present in eastern deciduous forests. We're particularly interested in determining whether the non-native, invasive Norway maple has physiological advantages over native species in the same environment. 4. This is a M.S. thesis project which is in progress; a poster presentation was made in Summer 2021 at the Ecological Society of America meeting
6	John Pisciotta	Biology	<p>The Antimicrobial Activity of Silicon Copper Nanoparticles. Angela Mangano (WCU, Biology), John Pisciotta (WCU, Biology), Kurt Kolasinski (WCU, Chemistry).</p> <p>This study evaluated the time and dose dependency of metal containing nanoparticles and explored their antimicrobial spectrum of activity against Gram-positive bacteria, Gram-negative bacteria. Gram-positive Staphylococcus aureus (S. aureus) and Gram-negative Escherichia coli (E. coli) were treated with 1 milligram and 10 milligrams of nanoparticle material for various time intervals to assess the level of bacterial inhibition. Research Grant & Report.</p>

Kurt Kolasinski	Chemistry	<p>1. Silicon Nanostructures</p> <p>2. John Pisciotta, WCU Biology; Mark Aindow, U Conn; Jarno Salonen & Ermei Mäkilä, University of Turku, Vesa-Pekka Lehto and Konstanin Tamarov, University of Eastern Finland; Dipendu Saha, Widener University</p> <p>3. Development of methods to create silicon nanostructures including porous silicon and silicon nanoparticles for applications in drug delivery, wound care, antimicrobials, energy storage and water purification.</p> <p>4. On-going research, a series of YouTube videos, research grants, examples used in textbooks, several publications including</p> <p>[1] A. DiPietro, K. W. Kolasinski, Characterization of Mechanochemical Modification of Porous Silicon with Arginine, <i>Surfaces</i> 2022, 5, 143-154.</p> <p>[2] D. Saha, P. Gismondi, K. W. Kolasinski, S. L. Shumlas, S. Rangan, B. Eslami, A. McConnell, T. V. Bui, K. Cunfer, Fabrication of Electrospun Nanofiber composite of g-C₃N₄ and Au Nanoparticles as Plasmonic Photocatalyst, <i>Surfs. Interfaces</i> 2021, 26, 101367.</p> <p>[3] W. Kolasinski, Metal-Assisted Catalytic Etching (MACE) for Nanofabrication of Semiconductor Powders, <i>Micromachines</i> 2021, 12, 776.</p> <p>[4] W. Kolasinski, Photochemical and Nonthermal Chemical Modification of Porous Silicon, in <i>Porous Silicon for Biomedical Applications</i> (Ed.: H. Santos), Woodhead Publishing (Elsevier), Duxford, UK, 2021, pp. 51-112.</p> <p>[5] Tamarov, J. D. Swanson, B. A. Unger, K. W. Kolasinski, A. T. Ernst, M. Aindow, V.-P. Lehto, J. Riikonen, Controlling the nature of etched Si nanostructures: High versus low load metal-assisted catalytic etching (MACE) of Si powders, <i>ACS Appl. Mater. Interfaces</i> 2020, 12, 4787-4796.</p> <p>[6] Tamarov, R. Kiviluoto, J. D. Swanson, B. A. Unger, A. T. Ernst, M. Aindow, J. Riikonen, V.-P. Lehto, K. W. Kolasinski, Low-Load Metal-Assisted Catalytic Etching Produces Scalable Porosity in Si Powders, <i>ACS Appl. Mater. Interfaces</i> 2020, 12, 48969-48981.</p> <p>[7] W. Kolasinski, J. D. Swanson, B. Roe, T. Lee, Response of Photoluminescence of H-Terminated and Hydrosilylated Porous Si Powders to Rinsing and Temperature Surfaces 2020, 3, 366-380.</p>
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Elizabeth Grillo	Communication Sciences and Disorders	<p>Normative Values of Client-Reported Outcome Measures and Self-Ratings of Six Voice Parameters via the VoiceEvalU8 App published in Journal of Voice 2021</p> <p>Brigit Corej, undergraduate student</p> <p>Abstract</p> <p>Objectives: Ecological momentary assessments (EMA) and interventions (EMI) have the potential to assess and offer interventions repeatedly within the client's daily life through mobile app technology. Considering the development of the EMA VoiceEvalU8, the current work provided normative data by comparing traditional (i.e., paper and pencil) and electronic (i.e., VoiceEvalU8 app) administration modalities of client-reported outcome measures and client self-ratings of six voice parameters twice a day in their functional environment.</p> <p>Methods: In Experiment 1, 50 vocally healthy cisgender women and men completed the Voice Handicap Index (VHI)-30, VHI-10, and Vocal Fatigue Index (VFI) with paper and pencil and the VoiceEvalU8 app. The order of administration modality and perceptual scales was randomized for each participant. In Experiment 2, 104 vocally healthy cisgender women and men used the VoiceEvalU8 app across five days in the morning before talking all day and in the evening after talking all day to self-rate six voice parameters (i.e., overall quality, roughness, breathiness, strain, pitch, and loudness) on a scale from 0 - 100. Mann Whitney U tests were run for all measures. Means and standard deviations are reported for descriptive analysis and normative values.</p> <p>Results: In Experiment 1, results showed no significant differences between paper and pencil and VoiceEvalU8 app administration for the VHI-30, VHI-10, and VFI for vocally healthy adults. Normative values in the current study were consistent with previous literature for the VHI-10 and VFI factor 1 and 2, but slightly higher for the VHI-30 and slightly lower for the VFI factor 3. In Experiment 2, results demonstrated significant differences for all six voice parameters between the morning and evening log sessions. Normative values demonstrated higher self-ratings in the morning as compared to the evening.</p> <p>Conclusions: For vocally healthy adults, completing the VHI-30, VHI-10, and VFI via paper and pencil and the VoiceEvalU8 app yielded the same results. Client self-ratings of six voice parameters on a scale from 0 - 100 twice a day demonstrated that vocally healthy adults perceived voice to be worse in the morning before talking all day as compared to the evening after talking all day. The results from the current work are promising for EMA via the VoiceEvalU8 app and support the need for continued investigations with clients with voice differences, problems, and/or disorders.</p>
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9	Megan Schraedley	Communication Studies	<p>1. The Neoliberalization of Higher Education: Paradoxing Students' Basic Needs at a Hispanic-Serving Institution</p> <p>2. Megan K. Schraedley (WCUPA), J. Jacob Jenkins (California State University Channel Islands), Molly Irelan (CSUCI) and Megan Umana (CSUCI)</p> <p>3. This study explores the organizational paradoxes faced by students attending a public, 4-year Hispanic-Serving Institution (HSI) in southern California. Drawing upon 30 semi-structured interviews with undergraduates who self-identified as historically underserved, our three-stage conceptualization of data analysis revealed three specific paradoxes: (1) provision vs. dependence, (2) sympathy vs. distancing, and (3) bootstrapping vs. unattainability. We conclude with practical and theoretical implications for alleviating the repercussions of neoliberal policies on today's college students.</p> <p>4. Published paper in open access journal, <i>Frontiers in Sustainable Food Systems</i></p> <p>1. COVID-19 Impacts on College Students' Basic Needs Insecurity</p> <p>2. Ashlie Delshad (WCUPA) and Seth Jacobson, Mary Beth Gilboy (initially on project; dropped off)</p> <p>3. Research to 1) explore students' living environments in order to understand college students' perspectives on their basic needs; 2) elicit conversations with students about their experiences with various basic needs insecurities during the COVID-19 pandemic. Your participation will take about one hour to a) answer open-ended interview questions during an initial interview with a researcher, b) then take photos with your phone or camera over a one-week period, telling the story of how you are managing your basic needs (ex., food, housing, transportation, work, etc.), c) and then complete a second open ended interview about the photos (approx. 30min 1 hour).</p> <p>4. Research in-progress</p>
10	Denise Polk	Communication Studies	How to improve well-being through the use of positive communication for school kids conference paper and more in progress at this time
11	Roger Gatchet	Communication Studies	<p>Project Title: Book manuscript titled <i>_Terror and Truth: Public Memory, Civil Rights Tourism, and the Mississippi Movement_</i> (currently under contract at the University of Mississippi Press; expected publication in late 2022 or 2023)</p> <p>Collaborators: Dr. Stephen A. King, professor, St. Edward's University (Austin, TX)</p> <p>Brief description of project: A rhetorical history and analysis of civil rights tourism in Mississippi and its relationship to racial reconciliation and social justice.</p> <p>Type of project: Book.</p>
12	Ed Lordan	Communication Studies	<p>Public Relations Theory</p> <p>Eryn Travis (member of the department)</p> <p>Textbook on public relations that included significant discussion of gender issues</p>

13	Ola Kopacz	Communication Studies	<p>1. A hidden village: communicative functions of a Facebook support group for single mothers</p> <p>2. N/A - solo project</p> <p>3. This study employs qualitative thematic analysis to examine the functions of posts within a naturally occurring, hidden private Facebook group for single mothers living in the same geographic area. Findings reveal themes of group cohesion, emotional expression, as well as sharing and requesting informational, tangible, and emotional support. The pattern of results carries implications for using protected social media communities to promote positive identification, empowerment, and wellbeing in individuals with stigmatized identities.</p> <p>4. Published journal article.</p>
14	Jana Nestlerode	Criminal Justice	<p>Election Fraud</p> <p>I worked tangentially with multiple individuals (Jonathan Simon, Steve Freeman, Lulu Friedstadt, Emily Levy and others) to examine election laws in Pennsylvania and elsewhere. Since the 2002 Help America Vote Act, elections in the United States have become much less secure. The inescapable conclusion is that our current laws do not protect our elections (federal, state or local) from nefarious actors.</p> <p>We are one of the few democracies that still permit our votes to be counted in secret by for-profit corporations with an interest in the outcome. Because of that, we can never really be sure that our votes have been counted as cast. The gold standard of elections in a free society is publicly hand-counted paper ballots, and our goal is to create, refine such a system and encourage the adoption of this system of ballot counting.</p>
15	Cassandra Reyes	Criminal Justice	<p>1. GIS mapping and analysis of animal cruelty offenses and socioeconomic variables: Examination of NIBRS, 2016-2019</p> <p>2. Orlando Hernandez and Straso Jovanoski, both Criminal Justice Master's Students at the time at West Chester University</p> <p>3. The research explored the overall incidence of animal cruelty offenses reported in the 2016-2019 Federal Bureau of Investigation's National Incident-Based Reporting System (NIBRS) data. The unique analysis is comprised of two interconnected elements: Geographic Information Systems (GIS) mapping and descriptive analysis.</p> <p>4. It is a journal article manuscript that is presently under review after revision and resubmission.</p>
16	Paul Sylvester	Early and Middle Grades Education	<p>1. Avoiding the important conversations Student teachers learning to teach skills separate from content (Presentation)</p> <p>2. With Steve Myran, Old Dominion University</p> <p>3. Scholars have noted that in US K-12 schools the teaching of skills has taken precedence over the teaching of content. This study addresses three short-comings of the literature: 1) none of the existing studies in this area are empirical in nature; 2) none looks at these issues in the context of student teaching; and 3) none has looked at the implications of the situation for education related to social critique. Using an inductive, qualitative methodology we coded 167 lesson observation summaries and triangulated those with 22 interviews of student teachers in grades K-4. Our findings showed that instruction is typically focused on teaching one mandated skill after another with little opportunity for students to do social critique. In our analysis we highlight examples of times when student teachers taught content well-suited to engage students in social critique but were used only as carriers for instruction in skills.</p>

17	Suzanne Hickey	Early and Middle Grades Education	Dr. Bettina Love 1. We Gon' Be Alright 3/4. Webinar TCRWP 100th Reunion Teachers College Reading and Writing Project (Live Zoom)
18	Drew Anderson	Earth & Space Sciences	1. Climate Action 3. local field research and communication of findings through local media sources
19	Matthew McMahon	Economics and Finance	"Green Markets: An Experimental Analysis of Technology and Policy" with Nicholas Busko (Salisbury University) " Working Academic Paper/Work in Progress" Description: This paper compares the effects of technology innovation and pricing policy in green markets on the provision of the public good. We extend the standard model of impure public goods to draw a distinction between green goods and green services, which are both subsets of impure goods. The motivating example of a green good with a price policy is a consumer installing a subsidized solar panel on her roof, while that of a green service is a consumer paying a surcharge for green electricity generated by her utility company. Experimentally, subjects face several sequential allocation decisions designed to mirror the underlying impure goods model. We find that increases in the technology of the impure good increase the public characteristic, as do increases in its subsidy and decreases in its surcharge. Equivalent technology and subsidy increases have identical effects, as do equivalent green good and green service markets (when the underlying technology is the same). In line with the previous literature, theoretically irrelevant impure goods actually decrease overall public provision. The added opacity of green markets also leads to greater efficiency loss in public provision than in private consumption. Market efficiency decreases as technology improves or as equivalent policy changes are made. Efficiency is significantly higher for individuals who indicate higher cognitive effort. These results taken together suggest a large toolbox is available to policymakers and that these tools can be complementary.
20	Taek-yul Kim	Economics and Finance	1. Corporate LGBTQ policies and the Impact on Firm Value 2. WY Kim, Augsburg University 3. This project studies the relationship between diversity and governance quality in a corporation. Previous research has largely been split on the impact of board of director diversity on firm performance. While diversity in the boardroom has been shown to increase firm financial performance, opposite results have also been found when policies are forced upon corporations. I believe the current business environment with an increasing focus on acceptance of LGBTQ identities provides an opportunity to investigate this issue. I am currently approaching the issue from two avenues; the impact of LGBTQ diversity in the group of board of directors on governance quality and the impact of changes in corporate LGBTQ policies on firm value and performance. 4. Work in progress
21	Doug Morris	Educational Foundations and Policy Studies	1. "Nothing Sweet: Woody Guthrie, People's Songs, Revolutionary Love," 3. A reflection on the continuing relevance of "people's songs" in struggles for economic justice, human dignity, revolutionary love, land ecological sanity. 4. Published paper.

22	Paul Morgan	Educational Founda	<p>1. Philly STEM Education for Sustainability: Linking Schools and Communities</p> <p>Last year, West Chester University received just under \$500,000 from the PA Department of Education for an initiative titled STEM Education for Sustainability“ Linking Schools and Communities. The primary aim is to empower Philadelphia high school students to directly impact their communities by addressing issues of sustainability and social, environmental, and climate justice. The project expands student access and engagement in Green STEM education through teacher professional development in Education for Sustainability and engages students in linking classroom learning to civic action and Green STEM careers. From August 9-20, 2020, the project kicked off with a two-week Institute for teams of teachers (40 total) from 11 different schools in Philadelphia. Throughout this academic year the school teams will be working with their high school students, supported by a college intern from one of the regional institutions, on community-based projects promoting sustainability as well as social and environmental justice.</p> <p>The initiative is led by Dr. Paul Morgan from WCU's Department of Educational Foundations and Policy Studies and Dr. Victor Donnay, a Professor of Math at Bryn Mawr College and the Executive Director of PRISE (Philadelphia Regional Institute for STEM Educators). The project coordinator is Kermit O who recently graduated from WCU with an M.S. in Transformative Education & Social Change. Joining the project team in January as Honors Research Scholars are three WCU undergraduates: Jocelyn Brown, Audrey Carson, and Zachary Zajkowski. Key partners in the initiative are PRISE, PHENND (Philadelphia Higher Education Network for Neighborhood Development), and Green Allies.</p>
23	Rodney Mader	English	<p>1. William Bartram and Posthumanism</p> <p>3.This research project examines the work of William Bartram (1739-1823), a Philadelphia botanist, writer, and painter. His approach to non-human others--especially plants, but including animals, land forms, bodies of water, and ecosystems--is holistic and reverential, and as such it embodies a model for late 21st century ideas of non-human life.</p> <p>4. I am hoping that this becomes an article or two.</p>
24	Joy Fritschle	Geography and Planning	<p>Riparian Buffer Reforestation Efforts in the Brandywine River Watershed; a research project investigating the success of tree planting efforts in the Brandywine River Watershed that seek to create forested riparian buffers; research project in progress</p>
25	Megan Heckert	Geography and Planning	<p>1. Heat-Reduction Capacity Analysis of Green Infrastructure Assets</p> <p>2. Radika Bhaskar, Jefferson University</p> <p>3. measuring and mapping temperatures near green stormwater infrastructure (GSI) to try to model its impacts on temperature and ability to address the urban heat island effect</p> <p>4. grant project for which a report has been generated - future papers and grant proposals are planned</p>

26	Melanie Vile	Health	<p>1. West Chester University, Campus Sustainability Research and Creative Activity Grant Program, 2020-2021, "The First Energy-Independent Laboratory on WCU Campus" [L. Cena (lead-PI), M. Vile (co-PI), and C. Goldin* (\$2,000)]</p> <p>PUBLICATIONS</p> <p>Secondary Literature (*denotes undergraduate, **Master's, ***Ph.D. students, ****Postdoc)</p> <p>Vile, MA. 2021. Sustainability Advisory Committee 2020-2021 Recap. West Goshen Township Newsletter, December 20, 2021, https://www.westgoshen.org/CivicAlerts.aspx?AID=245&fbclid=IwAR2ICpq3MVt6R-oFiBIdGcMoYeMLNyNVMrcgRs7St1wYqWJfceJIQGgIAyUVile,</p> <p>Vile, MA. 2021. Safeguarding Our Communities from Extreme Heat. West Goshen Township eNEWS, July 21, 2021, https://www.westgoshen.org/CivicAlerts.aspx?AID=183&PREVIEW=true.</p> <p>Vile, MA. 2021. We all Win When We Get Rid of Plastic Bags. West Goshen Township Newsletter, September 23, 2021, https://www.westgoshen.org/CivicAlerts.aspx?AID=214&ct=t(EMAIL_CAMPAIN_9_17_2021_10_44)&mc_cid=cd865e2a71&mc_eid=8b43adaed9</p> <p>Primary Literature (*denotes undergraduate, **Master's, ***Ph.D. students, ****Postdoc)</p> <p>Published</p> <p>Wieder, RK, MA Vile, KD Scott, JC Quinn CM Albright, K McMillen, C Herron*, H Fillingim**. 2021. Is bog water chemistry affected by increasing N and S deposition from oil sands development in northern Alberta, Canada, Environmental Monitoring and Assessment, in press.</p> <p>Wieder, RK, MA Vile, KD Scott, CM Albright, J Quinn D Vitt. 2021. Bog plant/lichen tissue nitrogen and sulfur concentrations as indicators of emissions from oil sands development in Alberta, Canada, Environmental Monitoring and Assessment, https://doi.org/10.1007/s10661-021-08929-y.</p>
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27	Zeinb Baba	Health	<p>All are conference presentations. All collaborators are from WCU - those with an * are students</p> <ol style="list-style-type: none"> 1. Baba, Z. & Edelblute, H. "Mental Health Needs in Students from Sub-Saharan Africa: Findings from the Healthy Minds Network" World Congress of Epidemiology, September 3-6, 2021 2. Deedat, H. and Baba, Z. "Navigating the child welfare system in the United States: Experiences of sub-Saharan African immigrant parents" The American Professional Society on the Abuse of Children Virtual Colloquium, July 12-15, 2021. 3. *Millward, K., Edelblute, H., and Baba, Z. "Mental Health in Sub-Saharan African Immigrant Students: Exploring the Effects of Stigma" 2nd Annual West Chester University (WCU) Virtual Research and Creative Activity Day, West Chester, PA, April 29, 2021. 4. *Donzo, M., Edelblute, H., and Baba, Z. "Help-seeking Behavior in Sub-Saharan African College Students: Does Degree Status Matter?" 4th Annual Conference on Migration and Health (virtual), University of Texas Medical Branch, Galveston, TX, March 26, 2021. 5. *Millward, K., Edelblute, H., and Baba, Z. "Mental Health in Sub-Saharan African Immigrant Students: Exploring the Effects of Stigma" 4th Annual Conference on Migration and Health (virtual), University of Texas Medical Branch, Galveston, TX, March 26, 2021. 6. *Fyalkowski, S., Edelblute, H., Tinago, C., and Baba, Z. "Exploring Acculturative Stress in African Immigrant Students in the US: Implications for Mental Health Care" 4th Annual Conference on Migration and Health (virtual), University of Texas Medical Branch, Galveston, TX, March 26, 2021.
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28	Stacie Metz	Health	<p>1)</p> <p>Project Title: Assessing human rights lens, exposure, and engagement in social work practice</p> <p>Collaborators: Quzack, L.E. (MSW student), Picard, G. (MSW student), Metz, S. M., & Chiarelli-Helminiak, C. M.</p> <p>Description: When I was Assistant Chair in the MSW program here at WCU, the chair at the time Dr. Chiarelli-Helminiak and I led the initiative to more formally incorporate human rights practice into the core MSW curriculum. This project evaluated the process and outcomes associated with this effort.</p> <p>Products:</p> <p>Quzack, L.E. (MSW student), Picard, G. (MSW student), Metz, S. M., & Chiarelli-Helminiak, C. M. (2021). A social work education grounded in human rights. <i>Journal of Human Rights and Social Work</i>, 6(1), 32-40. doi: 10.1007/s41134-020-00159-5</p> <p>Chiarelli-Helminiak, C., & Metz, S. M. (2021). Assessing human rights lens, exposure, and engagement in social work practice. Paper presented at the 2021 MACRO-UNITED Virtual Conference, June 10, 2021.</p> <p>Metz, S. M., Quzack, L. (MSW student and recently accepted Widener PhD Social Work student), & Chiarelli-Helminiak, C. M. (2020). Cultivating a Human Rights Lens to Social Work Practice in Higher Education Curricula. Workshop abstract accepted to the 2020 Annual National Association of Social Workers Pennsylvania Chapter Conference, Pocono Manor, PA, September 13, 2020.</p> <p>2)</p> <p>Project: Experiences of MPH and MSW Professionals During Public Crisis</p> <p>Collaborators: Ventura, L. (MSW student), Chiarelli-Helminiak, C. M., Frankel, A. (Temple University MPH Program Coordinator), Hipple, E. (MSW faculty), Ibrahim, J. (Associate Dean of Temple University's College of Public Health & Social Work), Sharma, S. (MPH student), Wolcott, J. (MSW student), & Metz, S. M.</p>
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29	Lorenzo Cena	Health	<p>1.Title: Simulation of Silica Exposure from Manufacturing of Artificial Stone Countertops 2.Collaborators: Marriella Carrieri, University of Padua, Italy 3.Description: The purpose of the project was to evaluate the chemical and physical properties of the dust generated during countertop fabrication by simulating the process in a controlled environment. Our study partners at the University of Padua, Italy have collected several field samples of workers' exposure at the facility where these artificial stone countertops are manufactured. The field data provides real-life exposure information. In this project we assessed exposure and studied the materials in laboratory tests performed in a controlled environment. This allowed us to directly link crystalline silica exposure to the observed health conditions of the workers. 4.Type of project: Published papers and presentations</p> <p>1.Title: The First Energy-Independent Laboratory on WCU Campus 2. Collaborators: Melanie Vile (WCU) 3. Description: Produce Renewable Energy via Installation of Small-Scale Photovoltaics on Campus. We hope to showcase change with the new SECC building, which hosts the Environmental-Health Lab along with a green roof. The SECC would serve as prime location for solar panel installation to convert the Environmental-Health Lab towards 100% energy-independence. 4.Type of project: work in progress</p>
30	Neha Sunger	Health	<p>1. Environmental and Community Health Education in Response to Marsh Creek Lake Spill 2. Ramona Stone, Ph.D., Associate Professor, Department of Health; Alyssa Ricci, M.P.H. Student, Department of Health 3. This research work aimed to generate baseline information on well-water quality of around 10 participants as well as focused on delivering a health communication material such as flyers, brochures or video including information on resources for health and safety of community members impacted by the Marsh Creek spill. 4. 2- professional conference presentations have been made on preliminary data generated from this study</p>
31	Lisa Kirschenbaum	History	<p>1. "Soviet Adventures in the Land of the Capitalists: Ilf and Petrov's 1935 American Road Trip" 2. The project is a social, cultural, and diplomatic history that retraces the Soviet writers' Ilf and Petrov's American 1935 cross-country road trip. It examines their efforts to understand cultural and political Others and their observations and reactions to American capitalism's inequalities and technological advancements. 3. book project</p>

32	Brent Ruswick	History	<p>1. Hellbound Train: The Beginning of the Pennsylvania State Institutional System for People with Intellectual Disabilities</p> <p>2. Elliott W. Simon - board member Pennhurst Memorial & Preservation Society and its Director of Government Relations. Past Executive Director of Research and Quality Improvement at Elwyn and served as the curator of its archives and museum.</p> <p>3. Abstract: A train left Greenwood Station outside Philadelphia on April 20th, 1897. It carried 153 people from the Pennsylvania Training School for Feeble-Minded Children (now Elwyn) to the first government-operated facility for people with intellectual disabilities in Pennsylvania: the State Institution for Feeble-Minded of Western Pennsylvania at Polk (now Polk Training Center). Since 1852, Elwyn, a privately operated school, served as the only long-term out-of-home option in Pennsylvania designed specifically for people with intellectual disabilities. Over the ensuing decades, Polk became part of a statewide institutional system that during the 1960s housed over 13,000 people. Written amidst the context of these state institutions closing in recent years, this paper details their beginnings and the lives of the 153 people on that train. Previously unexamined Elwyn and Polk archival material present these stories in the context of the emergent clinical, economic, moral, and political forces that promoted the institutional model.</p> <p>4. Paper approved for publication.</p>
33	Janneken Smucker	History	<p>1. A New Deal for Quilts</p> <p>3. A New Deal for Quilts explores intersections of gender, poverty, race, craft, and politics in the New Deal era through the lens of quilts and quiltmaking. By the time the Roosevelt Administration began combatting the Great Depression, the quilt had become an emblem of how to lift one's family out of poverty, piece by piece. This project investigates the question: How did Americans and the United States government use quilts and quiltmaking as forms of symbolic communication during the Great Depression and New Deal?</p> <p>4. Book manuscript in process, one journal article forthcoming Spring 2022, Digital project at https://newdealquilts.janneken.org/</p>
34	Lori Klein	Kinesiology	Dissertation on Yoga, Stress, and College Students During COVID19 Pandemic
35	Johnna Capitano	Management	<p>Wanchisen, E.* & Capitano, J. How corporate social responsibility initiatives create a halo effect on newcomer perceptions. (May 2021). Presented at the Eastern Academy of Management annual conference, Virtual Conference.</p> <p>Emma Wanshisen is a I/O Psychology graduate student at WCUPA.</p> <p>The study is a vignette experiment demonstrating that when new employees receive a small piece of information about a company's recycling program, that information creates a "halo effect" and spills over into the employee's perceptions of several other areas of the company's performance (e.g., on employee welfare, etc.)</p>
36	Allison Kolpas	Mathematics	<p>1. Novel mechanism for turning performance of Pacific Bluefin Tuna</p> <p>2. Abigail M. Downs¹, Allison Kolpas², Barbara A. Block³, and Frank E. Fish^{1,*}</p> <p>1Department of Biology, West Chester University, West Chester, PA 19383, USA 2Department of Mathematics, West Chester University, West Chester, PA 19383, USA 3Department of Biology, Hopkins Marine Station, Stanford University, Pacific Grove, CA 93905, USA</p> <p>3. Summary Statement</p> <p>Despite their generally rigid bodies, bluefin tuna are capable of maneuvering with high agility by using various turning behaviors with a highly flexible caudal peduncle to move the caudal fin.</p> <p>4. Paper to be submitted to JEB.</p>

37	Julie McCulloh Nair	Nursing	<p>1. The Ever-Changing Work Environment During COVID-19: Nurses' Experiences in the Early Phase.</p> <p>2. Julie McCulloh Nair, PhD, RN, PHNA-BC, CCRE is an Associate Professor of Nursing at West Chester University in West Chester, PA Susan Birkhoff PhD, RN is an Independent Nurse Scientist, Glen Mills, PA Deborah Mandel PhD, RN is an Associate Professor of Nursing at West Chester University in West Chester, PA Amanda Thomas BSN, RN is an alumnus of West Chester University in West Chester, PA</p> <p>3. Description: This qualitative study utilized a phenomenological approach for its study design allowing investigators to explore nurses' lived experiences through their own descriptions and digital images. In particular, this study focused on the health and well-being of caregivers during the beginning of a crisis situation. Lessons learned via nurses' stories can be incorporated into future planning to ensure a healthy and sustainable nursing workforce.</p> <p>4. Manuscript citation: McCulloh Nair, J., Birkhoff, S., Mandel, D., & Thomas, A. (2021). The ever-changing work environment during COVID-19: Nurses' experiences in the early phase. Journal for Nurses in Professional Development, June 30th, 2021. doi: 10.1097/NND.0000000000000782 Online ahead of print.</p>
38	Kimberly Johnson	Nutrition	<p>1. Title: Recurring Themes in Media: Rabbit Farming in East Africa</p> <p>2. Names of collaborators: Patricia Davidson (WCU), Chiwoneso Tinago (WCU), Julia Hayes (former student now employee of Holt International Children's Services, Geoffrey Anguyo (KIHEFO, Uganda)</p> <p>3. Description: media analysis of recurring themes regarding success of rabbit farming related to nutrition and community well-being in East Africa to inform focus groups research in Kibala, Uganda.</p> <p>4. Type of project- for published paper, in progress, analysis complete in writing stage</p>
39	Larry Udell	Philosophy	<p>1. Taking employment seriously</p> <p>3. I argue that the philosopher John Rawls included full employment as an element in his model of a well-ordered society, but so buried it that few have noticed it. My project amends Rawls's model to include a full employment principle stating that a well-ordered society assures each citizen access to employment at a living wage, as defined by Rawls's "difference principle" which asserts that inequalities are justified if and only if they benefit the least advantaged citizens.</p> <p>4. Published papers and conference presentations, as well as work in progress.</p>

40	Jea Sophia Oh	Philosophy	<p>I published two editorial books as the co-editor and co-author:</p> <ol style="list-style-type: none"> 1. Emotions in Korean Philosophy and Religion 2. (Palgrave) 1. Suffering and Evil in Nature 2. (Lexington) <p>I wrote three book chapters:</p> <ul style="list-style-type: none"> -Emotions (Jeong æf...) in Korean Confucianism and Family Experience: An Ecofeminist Perspective, Edward Chung and Jea Sophia Oh eds., Emotions (Chung/Qing æf...) in Korean Philosophy and Religion: Confucian, Comparative, and Contemporary Perspectives (Palgrave Macmillan, 2022), ISBN-13: 978-3030947460 ISBN-10: 3030947467. -Fecundity and Healing of the Great Mother: Reading Corrington's Nature and Nothingness via Yin-Yang Thinking, Joseph E. Harroff and Jea Sophia Oh eds., Ecstatic Naturalism and Healing Cultures: Comparative Responses to Suffering and Evil (London: Lexington Books, 2021), ISBN: 9781793621740; 1793621748. -Salim, Women, and Oikos: A Planetary Expansion of Family, Lilian Dube, Teresa M. Hinga, Sarah E. Robinson-Bertoni, and Theresa Yugar eds., Valuing Lives, Healing Earth, Ecology and Justice Series at European Society of Women in Theological Research (Leuven/Louvain: Peeters, 2021), ISBN: 978-90-429-4385-8. <p>and published one journal article:</p> <ul style="list-style-type: none"> -A Comparative Ecofeminist Perspective of Care for Planetary Family, BOOK SYMPOSIUM: STEPHEN T. ASMA AND RAMI GABRIEL, THE EMOTIONAL MIND, Journal of Philosophy of Emotion 2, no. 2: 31-37 (Winter 2020), https://doi.org/10.33497/2020.winter.6 <p>Four book chapters are works in progress:</p> <ul style="list-style-type: none"> -Reverencing the Triune Potentials (Samjae) of Heaven, Earth, and Human Becomings: Relocating Divine Immanence via Eastern Learning (Donghak), A. Marmodoro, D. Migliorini, B. Page eds., The Oxford Handbook of Divine Omnipresence, (Oxford: Oxford University Press, 2022, forthcoming/under contract). -How would we know what God is up to? An Asian and Comparative Political Theological Perspective, Ernst Conradie ed., How Would We Know What God Is Up To? An Earthed Faith Volume 2, An Earthed Faith: Telling the Story amid the Anthropocene Series (Cape Town: AOSIS, 2022, forthcoming/under contract). -Nature's Entanglement and Expansion: A Political Theology of Ecofamilial-Care, Peniel Rajkumar, Heup Young Kim, and Paul Hedges eds., The Study of Christian-Confucian Relations (Brill Academic, 2022, forthcoming/under contract). -An Ethic of Robbery: A Postcolonial Ecotheology of Seeds, Jea Sophia Oh and John W. Quiring, eds., Greening Philosophy of Religion: Rethinking Climate Change at the Intersection of Philosophy and Religion (London: Lexington Books, 2022, forthcoming/under review).
41	Ashlie Delshad	Political Science	<ol style="list-style-type: none"> 1. The Impact of COVID-19 on College Student Basic Needs Insecurity 2. Megan Schraedley, WCU Department of Communication Studies; Seth Jacobson, WCU Center for Civic Engagement and Social Impact 3. We conducted interviews of students about their experience of meeting their basic needs (food, housing, transportation, healthcare access) during COVID-19. We also asked students to take photographs that depicted their experiences with basic needs insecurity and we discussed those photographs during their interviews. 4. Analysis of the data is ongoing, we anticipate presenting at WCU's research day in in the spring of 2022 and publishing an article length manuscript.

42	Linda Stevenson	Political Science	<p>1. "Feminist Movements in Chile: Joining Forces from Institutions and the Streets toward a New Constitution." In Simone Bohn and Charmain Levy, editors. 21st century feminisms: Women's movements across Latin America and the Caribbean. Toronto, Canada: McGill-Queen's University Press. 2021: 115-143.</p> <p>3. This book chapter is one of eight case study chapters describing the types and impacts of women's social movements active in Latin American countries in the first two decades of the 21st century.</p> <p>4. Publication</p>
43	Lauren Brumley	Psychology	<p>1. Title: Project Fostering Stability: Leveraging Relationships to Increase Stability in Children's Lives During and After Foster Care</p> <p>2. Collaborators: Stevie Grasseti, West Chester, Psychology</p> <p>3. Description: Children in foster care are disproportionately exposed to adverse childhood experiences (ACEs); face instability in their social networks before, during, and after foster care; and experience elevated rates of mental health problems in young adulthood compared to their peers. Long-term relationships with safe, stable, and caring adults can help mitigate adverse effects of ACEs and instability, and promote healthy development for vulnerable youth. Foster parents are in a unique position to provide such stability as adults who form meaningful connections with children in foster care; however, little is known about the extent to which these connections continue after youth reunify with biological caregivers—the most common goal of foster care. The goal of the proposed project (Project Fostering Stability) is to use quantitative and qualitative methods to explore the frequency, modality, and quality of contact between birth and foster families during care and after reunification, and individual- and systems-level barriers and facilitators of such relationship building.</p> <p>4. Type: Recently funded Provost Research Grant; research activities will begin July 2022.</p>

44	Eleanor Brown	Psychology	<p>At the Early Childhood Cognition and Emotions Lab (ECCEL), we are dedicated to making sure all children grow up in cognitive and emotional environments that promote their flourishing. All children deserve the chance to learn fully about the world and to know they are loved and respected. Because children are part of families, schools, and communities, we are committed not only to children but to the people and systems that provide for their care, learning, and emotional well-being. We support the people who support children!</p> <p>Children facing economic hardship represent our number one priority. All children come to the world ready to learn and take on challenges. But poverty-related stress and trauma burdens many children’s lives, and economic hardship additionally leaves many children without the resources they need to learn well. We support children who are facing economic hardship.</p> <p>We believe early childhood is a key time for children’s positive growth. Parents deserve support to give their young ones a good start. Head Start and related preschool programs also deserve support in their efforts to help children develop well in the early years. We support parents and preschool programs through mechanisms like: Workshops on children's cognitive and emotional development; Support groups for parents and teachers; Head Start volunteers to assist with classroom activities and give extra attention to children who need it; and Research on cutting-edge questions in child development.</p> <p>Brown, E.D., Holochwost, S.J., Laurenceau, J.P., Garnett, M.L., Anderson, K.E. (2021). Deconstructing cumulative risk: Poverty and aspects of instability relate uniquely to young children's basal cortisol. <i>Child Development</i>. https://srcd.onlinelibrary.wiley.com/doi/abs/10.1111/cdev.13512</p> <p>Brown, E.D., Anderson, K., Garnett, M.L., & Hill, E. (2019). Economic instability and household chaos relate to cortisol for children in poverty. <i>Journal of Family Psychology</i> 33(6), 629–639. https://pubmed.ncbi.nlm.nih.gov/31169392/</p> <p>Brown, E.D., Garnett, M., Velazquez-Martin, B., & Mellor, T. (2018). The art of Head Start: Intensive arts integration associated with advantage in school readiness for economically disadvantaged children. <i>Early Childhood Research Quarterly</i>, 45, 204-214. https://www.sciencedirect.com/science/article/pii/S0885200617300443</p>
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45 Jasmin Tahmaseb McConatha	Psychology	<p>1. The Healing Power of Green Space: Coping with Grief and Loss</p> <p>2. Jasmin Tahmaseb McConatha</p> <p>3. This project in partnership with students focuses on ways that time in green space and nature helps the coping process.</p> <p>4. The publications below are focus on sustainable goals and have been published see list please:</p> <p>Paley, J. & Tahmaseb McConatha, J. (2021) Effects of COVID-19 on the Well-being of American Women Reported in the Print Media, APA: The Amplifier Magazine, Summer, 2021.</p> <p>Schnell, F. & Tahmaseb McConatha, J., Magnarelli, J. & Fry, D. (2021) Ageism and perceptions of vulnerability: Framing of age during the Covid-19 Pandemic. <i>Advances in Social Science Research Journal</i>, 8 (2) 170 – 177.</p> <p>Harding, W., Tahmaseb McConatha, J., & Kumar, V.K. (2020). The Relationship between Just World Beliefs and Life Satisfaction. <i>International Journal of Environmental Research and Public Health</i>. 17, 6410; doi:10.3390/ijerph17176410</p> <p>Tahmaseb McConatha, J. & Schnell, F. (2020) Social Inequality and Type 2 Diabetes Management among Older Latinx Immigrants. <i>Gerontology and Geriatric Research: Science Repository</i>.</p> <p>Tahmaseb McConatha, J., Magnarelli, J., & Stricker, L (2020). Aging, Vulnerability, and Managing Type 2 Diabetes during a Pandemic. <i>Advances in Social Science Research Journal</i>, Vol 7, No. 6.</p>
46 Jenifer Hummer	Secondary Education	<p>1. Project Title: Supporting STEM Teacher Candidates Through Field Experience Lab Assignments</p> <p>3. Students completed lab assignments during their secondary teaching field placement to focus on continuous improvement of their teaching. Through this, student teachers learned how to be reflective in their practice and improve their teaching thereby providing all students equitable opportunities to learn.</p> <p>Hummer, J. (2021) Secondary STEM preservice teachers' continuous improvement: Focusing on student engagement during a pandemic. <i>Proceedings of the 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.*</i></p> <p>Hummer, J. (2021). Continuous improvement: Supporting teacher candidates to learn from teaching presentation summary. <i>Pennsylvania Association of Mathematics Teacher Educators Newsletter</i>, Summer 2021.</p>
47 Pauline Schmidt	Secondary Education	<p>I am working on a book manuscript with Matthew Kruger-Ross, published with NCTE about the intersection of multimodal literacies and technologies with a focus on quality education and equitable resources in k-12 systems.</p>
48 Wan-Yi Chen	Social Work - Graduate	<p>1. Mother's exposure to domestic and community violence and its association with child's behavioral outcomes</p> <p>2. Dr. Yookyong Lee, the University of Alabama at Birmingham</p> <p>3. This project investigated the potential cumulative effect of maternal exposure to violence both at home and in community on children.</p> <p>4. Published paper and presentations at the national conferences.</p> <p>Ongoing projects:</p> <p>a) Maternal victimization and harsh parenting: The mediational role of drug abuse, Collaborator: Dr. Yookyong Lee</p> <p>b) Teaching Excellence through University-Community Collaboration in Capacity Building Collaborator: Dr. Gwenelle O'Neal</p>

49	Tina Chiarelli-Helminiak	Social Work - Graduate	<ol style="list-style-type: none"> Experiences of Social Work and Public Health Professionals During Times of Public Crisis Stacie Metz, PhD, Department of Health, Erin Hipple, SWG, Anne Frankel & Jennifer Ibrahim, Temple University Collected data and manuscript under review <ol style="list-style-type: none"> Human Rights Exposure and Knowledge Stacie Metz, PhD, Department of Health Designed and implemented program evaluation. Presentations and manuscript published in the Journal of Human Rights and Social Work
50	Hadih Deedat	Social Work - Undergraduate	<ol style="list-style-type: none"> Disasters and BIPOC Communities: The Imperativeness of Sustainability Frida Navarro; Donna Phillip - WCU Undergraduate Social Work Students A presentation that dissected the impacts of natural disasters and climate change on Blacks, Indigenous, and People of Color (BIPOC) communities. Presentation
51	Gretchen Studlien-Webb	Theatre and Dance	<ol style="list-style-type: none"> Carnival of Ruin Constance Case, Gretchen Studlien-Webb, Maria Urrutia <p>3. Carnival of Ruin is an "immersive dance-theater performance devised for all ages in the community." The goal of the project is to increase awareness of sustainability issues through visually stunning costumes, set, and props all made from post-consumer waste. The action revolves around 7 dances with stories of love, strength, death, magic and a bright new future. Carnival of Ruin is an impactful and innovative work that is based on sustainability research and is expressed through "thought-provoking" movement language and cutting-edge costuming. It involves students and recent alumni in all performance roles.</p> <p>Carnival of Ruin, exhibit at the John H. Baker Gallery, WCU March 8 26 2021 April 2021, presented Carnival of Ruin for the WCU Research and Creative Activity Day Carnival of Ruin, full-length outdoor dance theatre event held at East Goshen Township Park on June 5th</p>
52	Martin Dallago	Theatre and Dance	<ol style="list-style-type: none"> Carnival of Ruin lead by Professors Case, Studlein-Webb and Urrutia all of WCU. This was a art installation and movement piece focusing on reusing, recycling and repurposing things in our everyday life. Performance and exhibit in the Baker Art Gallery, and at East Goshen Township Park.
53	Constance Case	Theatre and Dance	<ol style="list-style-type: none"> Carnival of Ruin Gretchen Studlien Webb and Maria Urrutia Carnival of Ruin is an "immersive dance-theater performance devised for all ages in the community." The goal of the project is to increase awareness of sustainability issues through visually stunning costumes, set, and props all made from post-consumer waste. The action revolves around 7 dances with stories of love, strength, death, magic and a bright new future. Carnival of Ruin is an impactful and innovative work that is based on sustainability research and is expressed through "thought-provoking" movement language and cutting-edge costuming. It involves students and recent alumni in all performance roles. Presentations, productions, and work in progress

54	Walt Cressler	University Libraries	<p>"The Flow of History along Chester Creek"</p> <p>"The Flow of History along Ridley Creek"</p> <p>"The Flow of History along Crum Creek"</p> <p>Affiliated with the Chester-Ridley-Crum Watersheds Association</p> <p>These are three online books that describe the natural and cultural features in the watersheds of the three named streams. The project is designed to engage the public in their local landscape.</p>
55	Gary Childs	University Libraries	<ol style="list-style-type: none"> 1. Self-Care Space 2. Rachel McMullin & Amy Ward (University Libraries) 3. We are currently establishing a space that can be used for a wide variety of needs. It could be used for milk expression, medication administration, adjusting prosthesis, changing clothes, meditation, prayer, etc. 4. This is a granted funded project. I have presented on the project in its early stages to the Liberty Chapter of the Medical Library Association. A related IRB submission will occur shortly to allow for data collection. A journal publication and further presentations are additional goals.
56	Martha Donkor	Women's & Gender Studies	<ol style="list-style-type: none"> 1. Title: Women and Old Age Poverty in Rural Ghana 3. Description: The central concern of the project was to investigate the dynamics of the intersection of age, gender and geographical location and how they structure poverty among older, rural, illiterate women in Ghana. 4. Type of project: Book contract signed with Palgrave McMillan