

2016 Researchers

Name or Link to Research Bio	Department	Keyword	Title of Paper	Rationale
Abdehagh, Niloofar	Chemical and Biological Engineering	greenhouse gas	Improvements in Biobutanol Production: Separation and Recovery by Adsorption	Due to environmental challenges, depleting oil resources, rising cost of oil and instability in oil-producing countries, biofuel production has attracted a lot of attention in recent decades. Biobutanol is one of the biofuels showing the most potential as an alternative for partly replacing petroleum-based fuels. Both researchers and industrialists are currently working at developing an energy-effective process to produce biobutanol at a large scale.
Abdullah, Alodah	Civil Engineering	Solar Panels	Development of Climate Change Scenarios for the South Nation Watershed	climate change scenarios created for eastern ontario
Abu-Zahra, Nadia	International Development and Global Studies	Living Environment, Planning and Appropriation of Human Spaces		
Aitken, Nicole	Psychology	wind turbines	Differentiating Habits for Pro-Environmental Behaviours	investigated if the proposed indicators of habits (i.e., behaviour frequency, habit strength, and behaviour interference) could identify different patterns of repeated pro-environmental behaviours predicted by habit and self-determination theory using cluster analysis
Akindede, Akinwumi	Civil Engineering	waste management	The Effects of Ammonia on Anaerobic Digestion of the Organic Fraction of Municipal Solid Wastes	The effect of ammonia on anaerobic digestion of the organic fraction of municipal solid wastes (OFMSW) was investigated in this study
Alexander, Chloe	Criminology	Solar Panels	Permission to Pollute: Regulating Environmental Corporate Crime in the Alberta Tar Sands	explores how the Canadian and Alberta governments downplay environmental harm in the Alberta Tar Sands, therein justifying its ongoing expansion and defining it as unnecessary to intervene through the law
Ali, Abdikarim	Public and International Affairs	global warming	Climate-Induced Migrants, International Law, and Human Rights, an Assessment	determine potential opportunities the international community and key stakeholders can pursue, in order to develop lasting solutions on the issue of climate change and migration, while assessing the need for greater international legal protection for climate-induced migrants, and more robust climate change adaption assistance for their home states
Aloqaily, Osama	School of Electrical Engineering and Computer Science	geothermal	Charging and Discharging Algorithms for Electric Vehicles in Smart Grid Environment	renewable energies; plug-in vehicles; and research into a charging and discharging coordination algorithm that effectively addresses the problem of power demand on peak time using the PEV's batteries as a backup power storage
Arellano, Alexandra	Human Kinetics	Living Environment, Planning and Appropriation of Human Spaces		
Ashton, Natalie	Public and International Affairs	carbon trading	Learning to be Green: A Study of the Olympic Games	This research paper explores the topic of environmental sustainability and its intersection with the Olympic Movement. It examines how various factors, including host city capacity and external pressures, influence the environmental sustainability of the Olympics.
Asif, Furqan	Faculty of Social Sciences	Natural resources		

Atallah, Charbel	Chemical and Biological Engineering	Environmental Engineering		
Baba, Rahim	Sociological and Anthropological Studies	Waste Management, Natural resources		
Baddour, Natalie	Mechanical Engineering	Natural resources		
Barankariza, Irene	Feminist and Gender Studies	carbon trading	Effects of Structural Adjustment Programs in the Mining Industry on Women in Zambia	This study details the challenges and opportunities perceived by women who work and live in the Kalulushi and Kitwe mining communities of Zambia
Baranova, Elena	Chemical and Biological Engineering	Electrochemical and Fuel Cells		
Bataille, Clément	Earth and Environmental Sciences	Natural resources		
Bazos, Chris J.	Economics	carbon trading	Climate Denial and the Costs of Optimal Climate Change Policy	environmental economics and climate change
Beedell, Estan	Economics	Subsidies	Evaluating the Impact of Nigeria's Fuel Subsidy Regime	
Bellehumeur-Genier, Olivier	Geography, Environment and Geomatics	geothermal	Permafrost Patch Size Near the Margins of Discontinuous Permafrost, Southern Yukon and Northern B.C.	research that proposes conceptual model of permafrost patch size evolution under a warming climate
Ben Rejeb, Yassine	International Development and Global Studies	Development	Sustainability Partnerships for NGOs in International Development: Towards an Adaptable Model of Social Franchising for Achieving and Sustaining a Wider Scale of Impact	
Benali, Kenza	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Benoit, Daniel	Sociological and Anthropological Studies	Natural resources		
Bero, Ursula	Anthropology	Pollinators	Approaching the Pollinator Problem Through Human-Bee Relations: Perspectives & Strategies in Beekeeping	
Besco, Laurel Jean	Common Law	biodiversity	Green Productivity, Sustainability, and the Law: Incorporating Green Productivity into the Policy Cycle and Legal Instrument Choice Frameworks to Address Legal Commitments to Sustainability	This thesis proposes that green productivity is a useful tool for improving decision making because it considers the efficiency of use of natural capital a criteria important to helping achieve both sustainable economic growth and intergenerational equity. Green productivity is presented in this thesis as an umbrella term for productivity measures which include or account for, in some way, the (mis)use of natural capital.
Boodhoo-Leegsma, Aissa	Sociological and Anthropological Studies	fair trade	Place, Space & Power: From Under the Baobab Tree to a Fair Trade Co-operative-Women's Experiences in Shea Butter Production in Upper East Ghana	examine how the shea industry and the co-operative provide a marketplace for women and a space for women to co-operate and resist power structures

Bordt, Michael	Geography, Environment and Geomatics	Ecosystem	Improving Convergence and Aggregation in National Ecosystem Accounting	
Botella, Albéric	Earth and Environmental Sciences	Solar Panels	Past and Future Sea-Level Changes in French Polynesia	climate change and sea level rise investigations
Boucher-Lalonde, Véronique	Biology	threatened species	Predicting Broad-scale Patterns in Species Distributions	rejected several prominent hypotheses aiming to explain richness–climate relationship and found several lines of evidence inconsistent with the common idea that climatic constraints on individual species, by themselves, can explain richness–climate relationship
Brasnett, Jonathan	Political Studies	Living Environment, Planning and Appropriation of Human Spaces		
Briere, Michelle	Geography, Environment and Geomatics	Climate change		
Buchmayer, Kelsey	International Development and Global Studies	Equity	Voluntourism Discourse: A Case Study of ME to WE	
Cao, Huhua	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Castillo Durante, Daniel	French	Living Environment, Planning and Appropriation of Human Spaces		
Chen, Liyu	Civil Engineering	Urbanization	A Case Study of Dissolved Oxygen Characteristics in a Wind-Induced Flow Dominated Shallow Stormwater Pond Subject to Hydrogen Sulfide Production	
Chen, Siyu	Economics	Renewable energy	Interfuel Substitution in Electricity Generation Sector: A Meta-Analysis	
Cloutier de Repentigny, Pierre	Common Law	Living Environment, Planning and Appropriation of Human Spaces		
Colangelo, Jenna	Comunication	threatened species	Diving Beneath the Surface: A Phenomenological Exploration of Shark Ecotourism and Environmental Interpretation from the Perspective of Tourists	Using a qualitative phenomenological research design, this research examined the environmental interpretation programs of great white shark ecotourism operators in Gansbaai, South Africa, from the perspective of tourists.
Comber, Julie	Philosophy	biodiversity	North Rupununi Wildlife Clubs: Makushi Amerindians' Perceptions of Environmental Education and Positive Youth Development in Guyana	This doctoral research studied the North Rupununi Wildlife Clubs (NRWC), an Environmental Education (EE) Program for Makushi Amerindian youth in Guyana. The Club format for EE has become popular, and previous research on EE Club programs provide modest support for the hypothesis that EE Club membership increases pro-environmental attitudes and behaviour in children and youth

Cooper, Emily	Biology	threatened species	The Response of Cladoceran Communities to the Climatic Changes of the Late Holocene Southwestern Québec	focuses on a chronological analysis of the cladoceran communities from a sediment core of a small oligotrophic lake in southwestern Québec, Canada over the past 1250 years
Copland, Luke	Geography, Environment and Geomatics	Air, climate change		
Coristine, Laura Elizabeth	Biology	threatened species	Climate Change Impacts on Biodiversity	identify some of the risks related to climate change impacts on biodiversity, as well as potential solutions
Crighton, Eric	Geography, Environment and Geomatics	Social Determinants of Health		
Crites, Hugo	Geography, Environment and Geomatics	Climate change		
D'Aoust, Patrick Marcel	Civil Engineering	Water	Stormwater Retention Ponds: Hydrogen Sulfide Production, Water Quality and Sulfate-Reducing Bacterial Kinetics	
D'Souza, Jamie	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Dawson, Jackie	Geography, Environment and Geomatics	Climate Change	Climate Change Adaptation Strategies and Policy Options for Arctic Shipping. A report prepared for Transport Canada	
Dawson, Jackie	Geography, Environment and Geomatics	Air, climate change, natural resources		
Decary-Secours, Benoit	Civil Engineering	Living Environment, Planning and Appropriation of Human Spaces		
Delatolla, Robert	Civil Engineering	Environmental Engineering		
Deonandan, Raywat; Deonandan, Kalowatie; Field, Brennan	Health Sciences	traditional environmental knowledge	Mining The Gap: Aboriginal Women and the Mining Industry	Aboriginal women are concerned about the effects of extractive industry activities on the environment and therefore on traditional practices that rely on maintaining the integrity of the environment. (3) Aboriginal women wish to have a formal role in partnerships between industry, government and communities for the purposes of establishing legally binding protections of their rights.
Desjardins, Cyndy	Biology	Solar Panels	The Impacts of Petrochemical Activity and Climate Change on Polycyclic Aromatic Hydrocarbon (PAH) Deposition to Lake Sediments of Northwestern Canada	petrochemical development and the release of PAH into ecosystems
DIONNE, Liliane	Faculty of Education	Living Environment, Planning and Appropriation of Human Spaces		

Dong, Sainan	Civil Engineering	waste management	Application of Sequential Microwave/Aeration Process for the Removal of Ammonia from Landfill Leachate	application of microwave (MW) radiation followed by aeration (A) for the purpose of ammonia removal from both synthetic solutions and landfill leachate was investigated in this study.
Dubé, Marc	Chemical and Biological Engineering	Waste Management		
Duhoux, Benoit	Chemical and Biological Engineering	Wind Turbines	Combined Calcium Looping and Chemical Looping Combustion Process Simulation Applied to CO2 Capture	investigations into the methods for reducing CO2 emissions in coal-fired plants
Egery, Julian	Globalization and International Development	biodiversity	Economic Risks in the Agricultural Sectors of Emerging Economies: Smallholder Perspectives of Projects Based on Thailand's 'Philosophy of Sufficiency Economy'	n epistemological framework based in critical realism was employed with the use of purposive interview sampling methods Results indicate that employing SE can help a select group of farmers to escape economic vulnerability.
Elgayar, Aly	Civil Engineering	Sustainability	Integrating Bridge Information Modeling (BRIM), Bridge Sustainability Rating System (BRSRS), Bridge Environmental Performance Strategy Mapping (BREPSM) and Cost Estimating At the Conceptual Design Stage	
Erol Kantarci, Melike	School of Electrical Engineering and Computer Science	Renewable Energy		
Fafard, Patrick	Public and International Affairs	Social Determinants of Health		
Fattahi, Javad	School of Electrical Engineering and Computer Science	Renewable Energy		
Faucher, Benoit	Geography, Environment and Geomatics	Climate change		
Fauteux-Lefebvre, Clémence	Geography, Environment and Geomatics	Waste Management		
Feng, Zhenyu (Christina)		environmental economics	Overview of China's Shale Gas Development	After almost two decades of solid economic development at an explosive rate, China is struggling with rising energy demands and costs, rising labor costs, environmental degradations. Therefore, the US shale boom seemed to offer the hope that China eagerly needs – a source of energy that China has rich deposit in
Flemming, Corey	Earth and Environmental Sciences	greenhouse gas	Evaluating the Performance of Denitrifying Bioreactors for Removal of Agricultural Nitrate from Tile-Drainage Effluent	The application of nitrogen (N) fertilizers and manure to agricultural soil is essential for crop production, but has in turn introduced environmental impacts including: eutrophication, contamination of groundwater, freshwater acidification, and an increase in greenhouse gas emissions.
Fobissie, Kalame	International Development and Global Studies	Natural resources		

Forrest, Jessica	Biology	Natural resources		
Fortin, Danielle	Earth and Environmental Sciences	Air		
Frappier, Roxanne	Geography, Environment and Geomatics	Climate change		
Fraser, Sarah	Interdisciplinary Health Sciences	Living Environment, Planning and Appropriation of Human Spaces		
Gado Djibo, Abdouramane	Civil Engineering	climate change	Exploration of Non-Linear and Non-Stationary Approaches to Statistical Seasonal Forecasting in the Sahel	Water resources management in the Sahel region of West Africa is extremely difficult because of high inter-annual rainfall variability as well as a general reduction of water availability in the region. Observed changes in streamflow directly disturb key socioeconomic activities such as the agriculture sector, which constitutes one of the main survival pillars of the West African population. Seasonal rainfall forecasting is considered as one possible way to increase resilience to climate variability by providing information in advance about the amount of rainfall expected in each upcoming rainy season
Gajewski, Konrad	Geography, Environment and Geomatics	Air, climate change, natural resources, living env		
Gheisari, Narges	Civil Engineering	Water	Groundwater Vulnerability Assessment Using a GIS-Based Modified DRASTIC Model in Agricultural Areas	
Gilmour, Matthew	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Glithero, Elizabeth	Education	Solar Panels	Exploring the Development of Student Agency from the Perspectives of Young Canadian Eco-Civic Leaders	investigates how Canadian youth, nationally recognized as eco-civic leaders, perceive their own sense of agency and their capacity to effect 'change.'
Godin, Michel	Physics	Natural resources		
Gomes, James	Interdisciplinary Health Sciences	Air, climate change		
Gresch, Darren	Public and International Affairs	Energy	Demand Response in the Ontario Electricity Market	
Hadi, Ahsanuzzaman	School of Management	Environmental data	Requirements Engineering for an Online Asset Mapping Tool for Disaster Preparedness	
Haince, Marie-Claude	Sociological and Anthropological Studies	Living Environment, Planning and Appropriation of Human Spaces		
Hajar, Yasmine	Chemical and Biological Engineering	Environmental Engineering		

Hannington, Mark	Earth and Environmental Sciences	Natural resources		
Haqani, Abdul	Economics	Environmental Economics	The Impact of Environmental Regulations on Air Pollution in India: The Influence of Industrial Fuel Intensity	
Haque, Iftexharul	International Development and Global Studies	Climate change		
Harries, Emma Susan		global warming	The Ecological Crisis and Natural Rights: An Old Way of Looking at a New Problem	human rights and the environment
Harris, Alexandra	Public Administration	Indigenous, environment	Looking into the Empty Box: A Study of the Formation of Indigenous Subjects in Liberal Policy Settings through the Case of the European Union's Sealskin Ban	Building on the case of the European Union's sealskin ban, this research attempts to draw out the consequences of policy rigidity. We observe through this case that Inuit sense of traditional culture in a contemporary context clashes with that of the European Union, creating a policy that has been both economically and culturally devastating for northern Inuit communities.
Haslam, Paul Alexander	International Development and Global Affairs	Natural resources		
Hay, Peter	Philosophy	environmental economics	Reciprocity with Posterity: Intergenerational Environmental Justice within a Rawlsian Framework	This paper will begin by analyzing the major philosophical challenges to theories of intergenerational justice generally, and then evaluate John Rawls' contractarian intergenerational system and the way in which it attempts to overcome those challenges. Finally, it will assess the major specific criticisms faced by Rawls' approach on the path toward environmental applications and implementations
Haysom, Joan E.; Hinzer, Karin; Wright, David		Solar Panels	Impact of electricity tariffs on optimal orientation of photovoltaic modules	optimization of solar panel outputs
Heffernan, Andrew	Public and International Affairs	Environmental Economics	Community-Based Natural Resource Management: Strengths and Weaknesses for Sustainable Development and Resource Governance in Sub-Saharan Africa	Community-Based Natural Resource Management (CBNRM) has developed out of development discourse, through ideals such as 'ownership' and 'participation,' developed in the 1990s and solidified in the 2005 Paris Agreement. It has come about as a set of practices that are presented as a possible way to overcome many of the challenges of resource governance in Africa, through devolution of the control of resources from central governments, into the hands of the people in local communities.
Heffernan, Andrew	Political Studies	Living Environment, Planning and Appropriation of Human Spaces		
Holloway, Jean		Climate change		
Hubert, Nicolas		Living Environment, Planning and Appropriation of Human Spaces		

Huggins, Christopher		Natural resources		
Hung, Kai-Hsin		environmental policy	The Road to Zero Hunger: A Case Study of Canada's Policy Agenda-Setting for Global Food Security	The emergence of food security as one of Canada's top international development priorities in 2009 was an important shift in Canadian foreign aid policy, which begs the question of how the policy came into being and how this change can be explained. This paper will focus on the agenda-setting aspects of Canadian foreign aid policy by using the exemplar case study of the policy agenda-setting process that shaped Canada's 2009 Food Security Strategy.
Islam, Mohammad Kamrul		carbon trading	Democracy, Economic Growth and Global Carbon Dioxide Emission	The finding of this paper is that not only the level of democracy but also the consistency in countries' political institution (whether a country maintains a steady score in freedom indicator) is influential in defining the tipping point of environmental Kuznets Curve.
Jaclin, David		Air, climate change		
Jacobsen, Jens		Water	Power and Water in Jordan and Israel: An Exploration of Hydro-Hegemony in the post-Peace Treaty Era	
Jafartayari, Saman		global warming	Modelling and Optimization of Batch Manufacturing Systems under Environmental and Economic Considerations	study aims at optimizing the environmental and economic sustainability of batch production systems (i.e. a series of workstations where products are manufactured in batches)
Jaja, Jessica		Solar Panels	Beyond Climate Change Theory: What Contributes to the Adaptive Capacity of Caribbean Small Island Communities?	identifies the determinants of local-level climate change adaptive capacity in Caribbean small island communities
Jalaei, Farzad		Wind Turbines	Integrate Building Information Modeling (BIM) and Sustainable Design at the Conceptual Stage of Building Projects	proposes a methodology that simplifies the process of designing sustainable buildings, evaluating their Environmental Impacts (EI), assessing their operational and embodied energy and listing their potential accumulated certification points in an integrated environment
Jeannotte, Sharon		Living Environment, Planning and Appropriation of Human Spaces		
Jeffery, Celina	Visual Arts	Living Environment, Planning and Appropriation of Human Spaces		
Jones, Jan Norgaard		global warming	EXPANDING THE SKYTRAIN: MULTI-LEVEL GOVERNANCE OF MASS PUBLIC TRANSIT IN METRO VANCOUVER	understand how the current governance structure in Vancouver resolves conflict between the different levels of government in relation to the SkyTrain
Karunanathan, Meera		global warming	A Stormy War of Position: An Investigation of the Use of Human Right to Water and Sanitation Discourse to Legitimate Accumulation by Dispossession	This thesis examines the corporate appropriation of human right to water and sanitation discourse

Katz-Rosene, Ryan		Living Environment, Planning and Appropriation of Human Spaces		
Kehoe, Courtney		threatened species	Understanding Small-Scale Fisheries in Thailand: Ecological Change and Local Governance Systems	By adopting Ostrom's general framework for analyzing the sustainability of socio-economic systems the following research explores how ecological, social, and institutional factors are affecting small-scale fishers in the village of Khan Kradai, Prachuap Khiri Khan province. In doing so it contributes towards a deeper understanding of the reasons why small-scale fishers choose to either exploit local resources or use them in a more sustainable way.
Kenny, Tiffannie		Ecological Footprint	The Inuit Food System: Ecological, Economic, and Environmental Dimensions of the Nutrition Transition	
Kessels, Henricus		biodiversity	Wildfire Management in the Southside Region of Canada's Montane Cordillera - A Systems Modelling Application on Firebreak Strategies	This thesis profiles an area of western Canada within the Montane Cordillera covering the Nechako Lakes Electoral District in central British Columbia and assesses its vulnerability to the specific hazard of wildfires caused by natural and man-made sources. The objectives of this research are to review, simulate and assess the impact of various fuel management strategies in a sub-section of the Nechako Lakes Electoral District called the Southside.
Khan, Adnan Afsar		Wind Turbines	Web Services for Energy Management in a Smart Grid Environment	energy management in smart grid with focus on the smart home and the Intelligent Transportation System (ITS)
Kuprieieva, Anna		sustainable development	Regulatory Freedom and Indirect Expropriation: Seeking Compatibility with Sustainable Development in New Generation Bilateral Investment Treaties	this thesis reviews the most recent BITs and identifies an archetype of investment treaty provisions and language that may result in the interpretation of indirect expropriation most compatible with states being free to act to achieve sustainable development.
Kus, Francis		greenhouse gas	Solid Fuel Pneumatic Conveying and its Injection Geometry in a Pressurized Entrained Flow Gasifier	Rising global energy demands have led to an increase in demand for clean, sustainable energy. A leading technology for reducing greenhouse gas (GHG) emission for existing coal-power infrastructure is gasification, which has sparked an interest in reactor modelling for design and performance analysis
L'Ecuyer, François		Environmental data	Naturewatch Canada: Metadata Analysis for a Citizen-Science Based Monitoring Program	
Labonté, Ronald		Tourism	What does the development of medical tourism in Barbados hold for health equity? an exploratory qualitative case study	
Labrosse, Michel		Natural resources		
Lacelle, Denis		Air, climate change		
Laflamme, Simone		Socioeconomic	Systematic review of the relationship between health anxiety and sociodemographic variables in individuals with chronic illness	
Langlois, Marie-Dominik		Natural resources, Living Environment, Planning and		

		Appropriation of Human Spaces		
Larkin, Patricia Marguerite		Biofuel	An Integrated Risk Management Framework for Carbon Capture and Storage in the Canadian Context	
Lascelle, James		water scarcity	A Treaty over Troubled Waters: The relationship between water treaties and conflict in shared water-basins	this paper attempts to determine whether water-sharing treaties can be used a mechanism to reduce conflict. This begs the question: do transboundary water treaties have an influence on reducing conflict between shared water-basin countries? In order to determine this relationship, this paper has drawn from three case studies, the Indus, Mekong, and the Nile river basin for a comparative case study design.
Lavergne, Karine		global warming	The Hierarchical Action-Based Model of Inconsistency Compensation in the Environmental Domain: Exploring the Role of Individual Differences in Distal Motivation	thesis examined why and how people resolve inconsistencies between their favourable attitudes toward environmental protection and their environmentally harmful behaviour
Leal Garcia, Jose Manuel		Living Environment, Planning and Appropriation of Human Spaces		
Lecompte, Emily M.		food security	A Mixed Methods Study of the Factors that Enhance and Challenge Food Security, Fruit and Vegetable Access and Consumption, and the Uptake and Management of the Ottawa Good Food Box	Results-based and community-driven recommendations to improve access to healthy food, food security and the GFB Program are discussed as shared responsibilities between different levels of government across sectors and the community since these are public and social health issues, determinants of health and economic concerns. Implications of findings are also discussed.
Lefebvre, Dominique		wind turbines	Thermal Energy Storage Using Adsorption Processes for Solar and Waste Heat Applications: Material Synthesis, Testing and Modeling	research on the use of thermal energy storage, increasing absorption rates to provide higher energy outputs (renewables)
Legace, Elizabeth		Natural resources		
Leibovitch Randazzo, Michael		food security	Land-Based Food Initiatives in Two Rural and Remote Indigenous Communities	
Lemaire, Edward		Natural resources		
Lessard, Benoit		Renewable Energy		
Lewkowicz, Antoni		Air, climate change		
Li, Aotian		Environmental Engineering		
Li, Chu Tu		Solar Panels	Development of Field Scenario Ray Tracing Software for the Analysis of Bifacial Photovoltaic Solar Panel Performance	
Li, Ling	Linguistics	Biodegradeable	Thermally and Chemically Induced Changes in Interface Shear Behavior of Landfill Liners	Investigates chemical reactions occurring within landfill liners to address safety concerns associated with waste disposal

MacDougall, Hillary		Energy	The Impact of a Cost Rebate on the Economics of Solar Power in Canada	analyzes the impact of various systems cost incentives on the economics of residential solar projects in Western Canada
Machado Freitas de Souza, Luciane		Environmental epidemiology	Malaria Entangled: Ribeirinhos, Plants, Mosquitoes, and Public Health Interventions in the Brazilian Amazon	
Mahat, Ishara		Living Environment, Planning and Appropriation of Human Spaces		
Main, Brittany		Natural resources		
Makungu Masudi, Nuah M.		Natural resources		
Mallya, Shruti		Environmental data	Modelling Human Risk of West Nile Virus Using Surveillance and Environmental Data	
Maltais, Stéphanie		Living Environment, Planning and Appropriation of Human Spaces		
Manyanga, Taru		Socioeconomic	Socioeconomic status and dietary patterns in children from around the world: different associations by levels of country human development?	
Marial, Jacob		Natural resources		
Marschke, Melissa	International Development and Global Studies	Natural resources		
Martel, Catherine		biodiversity	Imagining Alternative Agro-Food Systems in Mexico: A Case Study on Food Sovereignty and the Traspatio Oaxaqueño Initiative	The transnational network La Vía Campesina (LVC) coined the term 'food sovereignty', which has been appropriated by many actors seeking alternatives to the neoliberal food regime. Traspatio Oaxaqueño (TO) is a small initiative seeking to revitalize backyard agriculture and the role of women in local food systems
Massot, Pascale		Natural resources		
Mcvey White, Patrick		Solar Panels	A New Characterization Technique to Analyze Concentrator Photovoltaic Optical System Performance	
Meng, Xiangchao		Renewable Energy		
Mennigen, Jan	Biology	Natural resources		
Metaferia, Gohe Amhayesus		Solar Panels	Daily Climate Change Data Generation and Dissemination	the development of a new web-portal, which addresses the demand for climate change data at the daily scale

Miller, Sean		Living Environment, Planning and Appropriation of Human Spaces		
Mirza, Vincent		Living Environment, Planning and Appropriation of Human Spaces		
Mneina, Esma		environmental ethics	Reconciling Private Power and Public Interest in Resource Development Contexts: The Emergence of the Corporate Citizen in Mayan Guatemala	The primary objective of this thesis is to highlight the reasons why Indigenous people still resist mining development despite corporate efforts to engage with them through corporate social responsibility measures and corporate citizenship practices.
Monfils, Céline		water scarcity	An Analysis of the Achievement of the Water and Sanitation Target of the Millennium Development Goals in Sub-Saharan Africa	this major research paper will analyze the achievement or non-achievement of MDG Target 7.C of “halving, by 2015, the proportion of the population without sustainable access to safe drinking water and basic sanitation” (United Nations, 2015) in Sub-Saharan Africa (SSA) in general and two case study countries in particular – Nigeria and South Africa.
Montpetit, Alessandro		global warming	Measurement and Separation of Sterol Glycosides in Biodiesel and FAME	biodiesel efficiency - investigations into enhancing biodiesel production
Moularé, Éboua Yves Éric Didier		wind turbines	The Influence of Stakeholders on the Sustainable Development of the Wind Power Industry in Canada: The Firm’s Perspective	stakeholders role in providing wind power; recommendations to industry players and policy makers
Nichol, Laura		cap and trade	Environmental Destruction versus Responsible Trade versus Domestic Bliss: Assessing the Representation of Risk in Civil Society, Aboriginal, Industry and Government Bitumen Sands Advertising	Alberta’s bitumen sands have become a flash point for political action and campaigning in the debate around Canada’s energy future. The stakes are high and contested, yet the public has been witness to an increasing prevalence of promotional and marketing-oriented information on the issue. This study utilizes risk society theory, social constructionism and agnotology theory to explore the representation of risk in paid bitumen sands advertisements collected online between January 01, 2014 and August 31, 2015
O’Hare-Gordon, Meagan Ann		food security	School-Based Food Programming in the Northwest Territories: Working Towards More than Just Food Security	explain how the food systems in this community are integral to the overall health and vitality of the people. The six primary outcomes which emerged from engaging with community members display how the programming addresses community-wide cultural continuity and individual cultural identity. Together, these papers demonstrate how food systems are deeply embedded into the overall community health and well-being and exhibit the opportunities and positive impacts that land-based food education has for youth and communities.
Ogunba, Adebola		waste management	Sustainable Groundwater Management in Lagos, Nigeria: The Regulatory Framework	It concludes with a range of recommendations for incorporation into a legal framework that will help to improve the sustainability of the groundwater resource
Olayinka, Williams		Wind Turbines	Three Essays on the Economics of Competitive Electricity Market	determines both the optimal level of generation capacity investment and the second-best blackout program

Ouedraogo, Alexandra		environmental health	Spatial Analysis and Determinants of Asthma Health and Health Services Use Outcomes in Ontario	This thesis explores the spatial patterns and determinants of asthma prevalence and health services use (ICD-10 codes J45, J46) for the total population (all ages and both sexes combined) of the province of Ontario, Canada, between 2003 and 2013.
P-Laberge, Xavier		Climate change	https://uniweb.uottawa.ca/members/3067	
Page, Ashley		global warming	Unnatural and Unequal: Social Determinants of Gender Inequality and Health and Their Impact on Disaster Management Interventions in Bangladesh	disaster management interventions that fail to understand the intersectional nature of women's vulnerability risk entrenching or creating forms of both privilege and oppression
Papadimitriou, Andre		Living Environment, Planning and Appropriation of Human Spaces		
Paquerot, Sylvie		Living Environment, Planning and Appropriation of Human Spaces		
Paré, Daniel J.		Living Environment, Planning and Appropriation of Human Spaces		
Park, Jeongwon		Natural resources		
Paulos, Anabel		Living Environment, Planning and Appropriation of Human Spaces		
Payette, Alex		Living Environment, Planning and Appropriation of Human Spaces		
Pelin, Adrian		pollinators	Population Genome-wide Analysis of Geographically Distant Isolates of the Bee Pathogen Nosema Ceranae	research done as part of my Master's degree has resulted in essential breakthroughs in our biological understanding of an economically and ecologically important parasite of honeybees.
Pellerin, Hélène	Political Studies	Living Environment, Planning and Appropriation of Human Spaces		
Pelletier, Raphaël	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Phillips, Michele		Wind Turbines	Exploring the Role of Corporate Social Responsibility and its Influence on Branding: A Grounded Theory Case Study of Hydro Ottawa	examines the role of corporate social responsibility (CSR) and its influence on branding in the energy sector
Piché, Justin	Criminology	Living Environment, Planning and Appropriation of Human Spaces		
Pick, Frances	Biology	Natural resources		

Pilote, Martin		Solar Panels	Trends in the Exchange of CO2 and CH4 between the Atmosphere and Eastern Canadian Subarctic and Arctic Ecosystems	identify the land cover and environmental factors leading to greatest CO2 and CH4 emissions in a highly heterogeneous subarctic landscape
Pilote, Martin		global warming	Trends in the Exchange of CO2 and CH4 between the Atmosphere and Eastern Canadian Subarctic and Arctic Ecosystems	main objectives of this study were to identify the land cover and environmental factors leading to greatest CO2 and CH4 emissions in a highly heterogeneous subarctic landscape
Pizzolato, Larissa Anna Vincenza		global warming	Arctic Shipping in Canada: Analysis of Sea Ice, Shipping, and Vessel Track Reconstruction	Relationships between declines in sea ice area and Arctic maritime activity were investigated alongside linkages to warming surface air temperatures (SAT) and an increasing melt season length
Poirier, Marie-Pierre		global warming	Analyse comparative de la vulnérabilité sociale aux changements climatiques : exemples de Chéticamp et des communes d'Huong Phong et d'Hai Duong	cette recherche a d'abord pour but de comparer le niveau de vulnérabilité sociale aux changements climatiques de deux régions côtières, Chéticamp au Canada et les communes d'Huong Phong et d'Hai Duong au Vietnam, avec les variables mentionnées ci-dessus découlant du modèle de la vulnérabilité sociale d'Adger
Pouladzadeh, Parisa		food security	A Cloud-Assisted Mobile Food Recognition System	
Pretorius, Travers		greenhouse gas	Bioremediation of Contaminated Soils by Echinacea purpurea and Arbuscular Mycorrhizal Fungi	As a potential bioremediation system for contaminated soils, I evaluated the use of an arbuscular mycorrhizal (AM) fungus, Glomus intraradices on roots and shoots uptake of polycyclic aromatic hydrocarbons (PAHs), alkyl PAHs, and toxic metals in Echinacea purpurea, in using a controlled 20-week greenhouse study and a complimentary 2-year field study.
Rahimi, Armaghan		Environmental	Three Essays on Research Joint Ventures, Coordination Costs and Environmental R&D	Examining the costs on companies investing in environmental research & development
Raine, Anne	English	Living Environment, Planning and Appropriation of Human Spaces		
Ramisch, Joshua	International Development and Global Studies	Air, climate change		
Ran, Rong		biodiversity	Preparation and Optimization of Novel Visible-Light-Active Photocatalysts for Waste-Water Treatment	This research is focused on the design of visible-light-active metal-oxide photocatalysts to increase the absorption of visible light and to decrease the rates of electron-hole recombination, resulting in a high photocatalytic efficiency in regards to the degradation of organic pollutants
Randall, Andrew		sustainable community	Exploring the Role of a Strength Training Facility on Community Development: Cree Nation of Chisasibi	The findings provided insight into the facility's contribution to CD in particular, noting that a strength training facility can influence personal, economic, social, environmental and organizational outcomes within a community.
Ray, Brian		Living Environment, Planning and Appropriation of Human Spaces		
Reichert, Alexis		threatened species	Sacred Trees, Sacred Deer, Sacred Duty to Protect: Exploring Relationships between Humans and Nonhumans in the Bishnoi Community	explores relationships between humans and nonhumans in the Bishnoi community. The Bishnoi are a small Vaishnavite community most densely located in Rajasthan.

Rezaei, Mona		sustainable development	Combining Balanced Score Card and Data Envelopment Analysis for Analyzing the Performance of Small Scale Fisheries	The proposed research is undertaken as part of the Canadian Fisheries Research Network (CFRN) to investigate the application of BSC and DEA for defining commercial fisheries performance evaluation variables with respect to the objectives of environmental sustainability, economic viability, and social and cultural stability in compliance with, and in the absence of, performance monitoring alleged in the Fisheries and Oceans, Canada Integrated Fisheries Management Plans (IFMP).
Rivers, Nicholas		Air		
Robillard, Cassandra		threatened species	Prioritizing Areas for Habitat Conservation in the Face of Climate and Land-Use Change	discusses how conservation practitioners might manage and enhance long-term survival for species whose ranges must shift as climate changes, across regions that present significant mobility barriers. I describe recommendations highlighting connectivity, refugia from climate change, adaptation, and restoration within agricultural landscapes in North America
Robinson, Travis		Wind Turbines	Bubbling Fluidized Bed Gasification of Biomass and Refuse Derived Fuel	investigates the co-gasification of refuse waste materials and biomass as a means of reducing solid waste volumes while also using locally available materials for power generation
Ross, Jessica		Carbon Capture	Phosphorus and Carbon Capture from Synthetic Municipal Wastewater by Carbonate Apatite Precipitation	
Rousseaux, Colin	Pathology and Laboratory Medicine	Natural resources		
Roy Grégoire, Etienne	Political Studies	Natural resources		
Roy, Sylvie		Indigenous, environment	We are Still Dancing: Métis Women's Voices on Dance as a Restorative Praxis for Wellbeing	optimization of solar panel outputs
Rud, Erling		Natural resources		
Salimi, Kate		waste management	Gender Dimensions of Community-managed Water Systems: Gender-water Realities in Peri-urban Cochabamba, Bolivia	Informed by a Feminist political ecology framework, this thesis demonstrates that there are key gendered differences in experiences with water because women are the primary managers of water in the home, and their labour, time and livelihoods are significantly impacted by the lack of safe water
Sama, Semie		Biofuel	Harnessing Environmental Justice to Protect Against Land-grabbing in Cameroon	
Samia, Yasmine		threatened species	Persistence of River Populations	This thesis consists of three papers and is devoted to the mathematical analysis of responses of river-dwelling species to population persistence threats.
Saner, Marc	Geography, Environment and Geomatics	Air, Living Environment, Planning and Appropriation of Human Spaces		
Santor, Darcy		Social Determinants of Health		
Sawada, Michael		Social Determinants of Health		

Schram, Ashley			International Trade and Investment Agreements and Health: The Role of Transnational Corporations and International Investment Law	This work develops a critical theoretical framework exploring the ideas, institutions, and interests behind trade and investment policy; it also develops a conceptual framework specifying how trade and investment treaty provisions influence NCD rates through the effects of trade and investment on tobacco, alcohol, and ultra-processed food and beverage products, as well as access to medicines and the social determinants of health
Séguin, Marc-André		Fuel	Fuel Residence Times for Clean Combustion of Coal in a Pressurized Fluidized Bed - Cold Flow Study	
Seidou, Ousmane		Air, climate change, natural resources		
Shakiba, Abtin		global warming	Assessing Stakeholders' Interest in Biofuels	identify the interests of different stakeholder groups involved in the biofuel industry in Canada
Sharma, Pratibha, Wilkins, Matthew, Schriemer, Henry, Hinzer, Karin		Solar Panels	Concentrating optical system optimization for 3- and 4-junction solar cells: impact of illumination profiles	
Shi, Zijian		Ecological	The Relationship between CO2, Emissions and Living Standards in China: A Time Series Approach	
Shirkhani, Hamidreza		Climate Change	Methodological Developments for an Improved Evaluation of Climate Change Impact on Flow Hydrodynamics in Estuaries	a methodological improvement has been made to the evaluation of the flow hydrodynamics under climate change
Simard, Louis		Air		
Sing, Emilie		Waste Management		
Sing, Emilie		Living Environment, Planning and Appropriation of Human Spaces		
Singh, Shailendra		mining	Smart Meters Big Data : Behavioral Analytics via Incremental Data Mining and Visualization	The proposed technique addresses the need to analyze temporal energy consumption patterns at the appliance level, which directly reflect consumers' behaviors and provide a basis for generalizing household energy models.
Sinha, Mishaal Masud		cap and trade	Pollution Emissions in the Pulp and Paper Industry: A Statistical Decomposition Analysis	This research paper aims to explain the relative changes in the total emission of Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS) and Greenhouse Gases (GHG) in the pulp and paper sector in Canada over an 8-year period: from 2005 to 2013.
Spronk, Susan		Living Environment, Planning and Appropriation of Human Spaces		
Stalcup, Meg		Living Environment, Planning and Appropriation of Human Spaces		

Stieb, David M. Boot, Cécile R. Turner, Michelle C		environmental health	Promise and pitfalls in the application of big data to occupational and environmental health	
Symonds, Robert		Carbon Capture	Development of a Continuous Calcium Looping Process for CO2 Capture	
Tamo, Camille		Climate change		
Tania, Aguila-Way		threatened species	Fraught Epistemologies: Bioscience, Community, and Environment in Diasporic Canadian Literature	argue that the works of Mootoo, Thien, Lai and Wong prompt us to rethink the ways in which queer, feminist, anti-racist, and environmental struggles might constructively interface with the life sciences to challenge emergent forms of biological essentialism and biopolitical control.
Tarraf, Diana		food security	Prevalence and Determinants of Food Insecurity and Its Impact on Diet Quality in African and Caribbean School-Aged Children in Ottawa	
Tatsiankou, Viktor		geothermal	Instrumentation Development for Site-Specific Prediction of Spectral Effects on Concentrated Photovoltaic System Performance	Enhancing PVS; the description of a novel device to measure the spectral direct normal irradiance is presented
Taves, Jessica Rebecca		global warming	Assessing Vulnerability in Households and Communities Involved in Fisheries Sector Activities	this paper examines different measures of household vulnerability to the declining fishery and the resulting uncertain economic future
Tezel, F. Handan	Chemical and Biological Engineering	Energy Storage		
Thomson, Laura Irene		geothermal	Connections Between the Mass Balance, Ice Dynamics, and Hypsometry of White Glacier, Axel Heiberg Island, Nunavut	This thesis investigates how changing climate conditions have impacted the mass balance, dynamics and associated hypsometry (area-elevation distribution) of White Glacier, an alpine glacier on Axel Heiberg Island, Nunavut
Tomosk, Steven		geothermal	Applications of Traditional and Concentrated Photovoltaic Technologies for Reducing Electricity Costs at Ontario Data Centers	Three different photovoltaic and concentrated photovoltaic costing scenarios, as well as four different Ontario-based electricity tariff scenarios – time-of-use, feed-in tariff, power purchase agreement, and a peak-dependent electricity charge involving the province’s global adjustment fee – will be used to determine if there is a business case for using solar technology at data centers in Ontario to reduce energy costs
Tosh, Susan		Natural resources		
Toupin, Mathieu		wind turbines	Scientific Validation of Standards for Tidal Current Energy Resource Assessment	develops a methodology for analyzing tidal current energy potential
Trottier, Cassandra		Recycling	Recycled concrete aggregates: Giving new life to old concrete	
Trudeau, Vance	Biology	Natural resources		
Tweedie, Jocelyn		Water	Fighting for Water: Institutional and Societal Factors of Water Conflicts in Chile	

Van Zandvoort, Alisha		greenhouse gas	The Effect of Control Tile Drainage on Soil Greenhouse Gas Emissions from Agricultural Fields in the South Nation Watershed of Ontario	Controlled tile drainage (CTD) is an agricultural management practice with well-documented water quality and agronomic benefits, however, by virtue of its effect upon soil hydrology, CTD could potentially impact soil greenhouse gas (GHG: CO ₂ , CH ₄ , N ₂ O) emissions. This study aimed to determine whether: (1) CTD affects soil GHG emissions throughout a dry (2012) and a wet (2013) growing season for corn, soybean, and forage fields in eastern Ontario, and (2) the location in a field with respect to a tile drain (over tile (OT) versus between tile (BT)) is important in GHG emissions
Vanthuyne, Karine		Natural resources		
Varin, Marie-Pierre		deforestation	The Role of Iron and Anthropogenic Activities in Eutrophication: A Contemporary and Paleolimnological Study	examined water chemistry of 31 Canadian Shield lakes in relation to catchment characteristics to test the hypothesis that Shield lakes with more marble may exhibit iron (Fe) deficiency and, hence, be more vulnerable to eutrophication. I performed a diatom-based paleolimnological reconstruction of one of these lakes (Heney Lake), which was subjected to anthropogenic stresses including a fish farm
Veronis, Luisa	Geography, Environment and Geomatics	Living Environment, Planning and Appropriation of Human Spaces		
Viau, André		Air, climate change		
Vouk, Ivana		geothermal	Field and Numerical Investigation of Mixing and Transport of Ammonia in the Ottawa River	Wastewater treatment plants; effective treatment of waste water; this thesis examined the mixing and transport of ammonia discharged from a multipoint diffuser of a municipal wastewater treatment plant into the Ottawa River
Wafula, Charles O, Edwards, Nancy, Kaseje, Dan C O		Accessibility	Contextual variations in costs for a community health strategy implemented in rural, peri-urban and nomadic sites in Kenya	
Walinga, Charlotte P.		climate change	The Effects of Changing Spring Temperatures on Fuel Use, Mass Loss, Emergence Time, and Chill Coma Recovery in Solitary Mason Bees (<i>Osmia</i> spp.).	the effects of fluctuating thermal regimes on two species of solitary mason bees (<i>Osmia albiventris</i> and <i>O. lignaria</i>) by quantifying mass loss and reserves of lipids, free sugars, and glycogen after experimental temperature treatments during early spring
Watson-Leblanc, Kathryn		Living Environment, Planning and Appropriation of Human Spaces		
Weber, Melissa		Climate change		
Wesche, Sonia	Geography, Environment and Geomatics	Air, climate change		
Woodend, Stephanie Leigh		Natural resources		
Wozney, Anne		Biodegradable	Biodegradation Rates of Petroleum in Contaminated Aquifers: A Comparison of Radiocarbon Correction Methods for Determining Source Zone Natural Attenuation	

Yagoub, Mustapha		Energy Conversion Applications		
Yan, Xiaohui		Climate Change	Numerical Simulation of the Long-term Balance of Salinity in the Persian Gulf	The study of long-term balance of salinity can contribute to a better understanding of the mixing and transport properties in such a distinct type of water body (i.e., inverse estuary water), and can provide valuable information for sound water management and environmental assessment.
Yang, Ying		Wastewater	Urban Water and Wastewater Privatization in China	
Yaya, Sanni		Air, climate change		
Yin, Hao		Emissions	Reduction of CO2 Emissions in China: Analysis of the Impact of the Carbon Tax on Chinese Economy	
Young, Bradley		Water treatment	Nitrifying MBBR Performance Optimization in Temperate Climates Through Understanding Biofilm Morphology and Microbiome	
Young, Nathan	Sociological and Anthropological Studies	Air, climate change		
Zein Aghaji, Mohammad		Natural Gas	Large Scale Computational Screening of Metal Organic Framework Materials for Natural Gas Purification	
Zhang, Yanjiao		Pollution	The Impact of Exposure to Ambient Air Pollution on Educational Outcomes	
Zhang, Yujie		Natural resources		
Zhihao, Zhang		Renewable Energy		
Zhou, Xiaoli		Green economics	Green Communication Protocols for Mobile Wireless Networks	
Zhu, Yuanchen		greenhouse gas	n-Hexadecane, Petroleum Diesel and Biodiesel Fuels for a Direct Hydrocarbon Phosphoric Acid Fuel Cell	The performance of a phosphoric acid fuel cell reactor, (PAFC), with n-hexadecane, C ₁₆ H ₃₄ , canola biodiesel, soybean biodiesel and petroleum diesel fuel has been investigated.
Buetti, David Annous, Rana		Ecological	Changement Climatique et Iniquités en Santé : L'apport de L'approche Interventionnelle en Santé des Populations dans un Contexte Québécois	