Dalhousie 2014-2017 Sustainability Research Inventory

Sustainability researches address more than one of social wellbeing, economic prosperity, and ecological health. This categorization includes academic research that explicitly addresses sustainability and/or furthers our understanding of the interconnectedness of social, economic and environmental issues; contributes directly towards solving one or more of major sustainability challenges; and/or engages community members with the aim of combining knowledge and action to achieve positive social, economic and environmental outcomes (i.e. participatory and community based scholarship). The faculty members listed below conduct research or have conducted research that meets the above definition between 2014-2017. The inventory was shared with departments prior to submission.

Faculty	**Names of researchers**	**Departments**	**Research interests**
Agriculture	Abbey, Lord	Plant, food and environmental sciences	Sustainable food systems and food security, compost utilization, soil nutrient management systems
	Asiedu, S.K.	Plant, food and environmental sciences	Abiotic Stress Management in Crops, Biotic and Abiotic Stress Management in Crops, Food Safety and Quality, Biostimulants in Plant Agriculture.
	Braiden, Heather	Plant, food and environmental sciences	Green infrastructure
	Burton, D.	Plant, food and environmental sciences	Sustainable manure management practices, bioremediation of hydrocarbon contaminated soil, greenhouse gas production and consumption in different ecosystems.
	Caldwell, C.	Plant, food and environmental sciences	Environmental stress effects on crops, sustainable agriculture, agroecology.
	Cameron, G.	Business and social sciences	Co-operatives, food sovereignty
	Clark, S.	Business and social sciences	Several areas of economics and environmental problems
	Colombo, S.	Animal Science and Aquaculture	Environmentally sustainable fish feeds, impact of climate change on nutrient availability and metabolism in aquaculture ecosystems
	Corscadden, K.	Engineering	Environmental management, Energy, Biomass, Biofuels, Energy efficiency, Sustainability
	Cutler, C.	Plant, food and environmental sciences	Pollinator risk assessment, conservation biological control, wild pollinator and natural enemy ecology
	Dukeshire, S.	Business and social sciences	Food choice, media framing of agriculture, local and organic food, rural health

	Dunlop, D.	Business and social sciences	International food policy, food trade policy
	Duston, J.	Animal Science and Aquaculture	Finfish aquaculture, bioremediation in aquatic environments
	France, R.	Plant, food and environmental sciences	lakes, ponds and wetlands to shoreline development, Implications of coastal marina construction on littoral ecology, Riparian processes and how they influence soil erosion, Instream and submerged lakeshore restoration practices, Aquatic remediationof disturbed sites and design of artificial lakes, and Wetland creation and restoration.
	Fredeen, A.	Animal Science and Aquaculture	Environmental impacts of dairy production
	Goodwin, C.	Plant, food and environmental sciences	Environmental horticulture
	Hammermeister, A.	Plant, food and environmental sciences	Organic agriculture
	Havard, P.	Engineering	Water management and monitoring, water quality, waste management, environmental management, energy efficiency, conservation.
	He, Q.	Engineering	Energy, energy efficiency, sustainability, biomass, biofuels..
	Hoyle, J.	Plant, food and environmental sciences	Organic agriculture, river health, environmental chemistry
	Kernohan, A.	Business and social sciences	Environmental ethics, organic farming
	Kevany, K.	Business and social sciences	Social change, community development, sustainable diets
	Lada, R.	Plant, food and environmental sciences	Plant Science, ecophysiology, environmental stress physiology and metabolism - Ecochemicals.
	Lynch, Derek	Plant, food and environmental sciences	Agroecology, organic agriculture, soil quality and soil health
	MacKenzie, T.	Plant, food and environmental sciences	Urban tree management
	MacLaren, L.A.	Animal Science and Aquaculture	Sustainable agriculture

	McLean, N.	Plant, food and environmental sciences	Pasture renovation and management, low cost soil and crop improvement, fate of transgenes in the environment, riparian zones
	Nams, V.O.	Plant, food and environmental sciences	Effects of different types of edges on animal dispersal, the spatial scale of habitat selection of animals.
	Niu, H.	Engineering	Irrigation, drainage, organic contaminants, water resources, hydrology, wastewater, water management and monitoring, water quality, sustainability, waste management.
	Olson, A.R.	Plant, food and environmental sciences	Religious world views and nature (ecotheology)
	Percival, D.	Plant, food and environmental sciences	Environmental regulation of carbon assimilation and metabolism, impacts of environmental stress on plants, soil fertility.
	Price, G.	Engineering	Water quality, sustainability, environmental management, biosystems modelling, biomass, soil organic matter, conservation, soil nutrient dynamics, waste management
	Prithiviraj, K	Plant, food and environmental sciences	Marine bio-products in plant and animal health, plant-microbe interactions, natural anti-infective compounds.
	Sanderson, L.	Business and social sciences	Farm health and safety, Forest values, Farm adoption behavior
	Stewart-Clark, S.	Plant and animal sciences	Aquatic invasive species
	Tennessen, T.	Plant and animal sciences	Care farming, environmental education
	Yildiz, I	Engineering	Bioreactors, Bioinstrumentation, Biofuels, Controlled environments
	Yiridoe, E.	Business and social sciences	Resource and environmental economics, economics of renewable energy systems
	Zaman, Q.	Engineering	Sustainability, water quality, environmental management
Architecture and Planning	Cavanagh, T.	Architecture	Interdisciplinary architectural research, community design, integrated resource management and spatial planning
	Grant, J.	Planning	Neighbourhood planning and change, health and the built environment, creative cities, suburbs
	Habib, A.	Planning	Transportation Demand Management
	Kroeker, R.	Architecture	Ecological sustainability and usability of architectural designs
	Lilley, B.	Architecture	Health and wellbeing of communities through design, urban revitalization

	Macy, C.	Architecture	Architectural and natural systems, cultural communities, festival architecture and lightweight structures
	Mannell, S.	Architecture	Also teaches in the College of Sustainability
	Manuel, P.	Planning	Environmental planning, focus on climate change adaptation, watershed planning, and wetland management.
	Parsons, A.	Architecture	Cultural sustainability, heritage buildings/adaptive reuse of buildings
	Rapaport, E.	Planning	Landscape architecture, storm-water management, landscape planning and climate change
	Savage, N.	Architecture	Affordable housing (social sustainability)
	Terashima, M.	Planning	Environmental Health and Wellness
	Thomas, R	Planning	Transportation Policy and Planning
	Thompson, K.	Planning	Passive house, low impact housing
	Venart, C.	Architecture	Our relationship to the environment; effects of urbanization on ecosystems/watersheds
	Zuck, J.	Planning	Landscape conservation.
Arts and Social Sciences	Black, D	Political science	Canada's role in Sub-Saharan Africa, Development assistance, Global governance, Human security, Politics of sport
	Boos, S.	Contemporary Studies	Deep ecology and ecofeminism
	Boutet, A.	International development studies	Identification and articulation of key elements for the construction of proposals for quality training in environmental education, particularly in contexts of post-conflict and peace-building; building sustainable environmental culture in developing nations
	Cameron, J.	International development studies	Indigenous and peasant social movements, NGO aid agencies, Rural development policies
	Fitting, E.	Sociology and social anthropology	Food and food movements, indigenous peoples (cross appointed with the College of Sustainability)
	Gazit, T.	Sociology and social anthropology	Environmental sociologist studying the environmental activism of individuals, NGOs, and agencies; social and economic dimensions of natural resource management
	Hayden, A.	Political science	Critical perspectives on economic growth, sustainable consumption, environmental politics, politics of climate change

	Kapusta, S	Philosophy	Feminist philosophy, social and political philosophy, ethics
	Lewis, D.	Sociology and social anthropology	Environmental health, social justice and inequality, indigenous methodology
	Schnurr, M.	International development studies	Environment and development, Political ecology, Agricultural biotechnology, Environmental justice
Engineering	Ali, N.	Civil and resource engineering	Use of recycled materials in highway construction.
	Allen, P.	Mechanical engineering	Solar thermal energy utilization
	Brooks, S.	Process Engineering and Applied Science	Bioprocess engineering, Fermentations, Encapsulation, Value-added products, Waste utilization and treatment
	Dickson, C.	Civil and resource engineering	Sustainable design of built infrastructure
	Diallo, C.	Industrial engineering	Closed loop supply chains design and management, remanufacturing and sustainability
	Dominic, G.	Mechanical engineering	Phase change and multi-phase processes
	Fenton, G.	Engineering mathematics and internetworking	Effects of climate change on climactic loads, risks associated with carbon capture and storage
	Fung, A.	Mechanical engineering	Energy efficiency, conservation and management; sustainable/net-zero energy buildings; sustainable energy systems
	Gagnon, G	Civil and resource engineering	Water and wastewater treatment, solid waste management, and environmental systems analysis.
	Gentleman, W.	Engineering mathematics and internetworking	Improve understanding of how varying environmental conditions effect the structure and function of marine ecosystems and populations
	Gibson, M.	Civil and resource engineering	Indoor air quality, air pollution, environmental health
	Hill, J.	Civil and resource engineering	Geology, environmental impact, pit wall and crown pillar stability.
	Hughes, L.	Electrical and computer engineering	Energy security, climate change, transportation, sustainable energy systems

	Jamieson, R.	Civil and resource engineering	Hydrology, Ecological engineering, Contaminant transport, Watershed modeling, Alternative wastewater treatment
	Joseph, A.	Mechanical engineering	Sustainable energy, "smart" energy systems
	Kermanshahipour, A.	Process Engineering and Applied Science	Carbon dioxide sequestration, bioenergy, biofuel, biodegradation pathway of contaminants, bioremediation of contaminants
	Molloy, S.	Mechanical engineering	Marine renewable energy, tidal power, ship propulsion, eco ship and electric ship
	Lake, C.	Civil and resource engineering	Contaminant migration and geoenvironmental engineering
	Liu, L.	Civil and resource engineering	Environmental engineering, environmental modelling and decision-making, pollution control systems
	Pelot, R.	Industrial engineering	Environmental risk analysis, coastal zone management, carbon capture and storage risks
	Sadeghian, P.	Civil and resource engineering	Sustainable infrastructure (Canada Research Chair)
	Satish, M.	Civil and resource engineering	Hydrology; studies pollutant movement in the Halifax Harbour
	Swan, L.	Mechanical engineering	Renewable energy, energy storage and electric vehicles
	Truelstrup-Hansen, L.	Process Engineering and Applied Science	Biofilms, Environmental microbiology, Water and wastewater
	Ugursal, V.	Mechanical engineering	Energy conservation, Advanced power generation cycles, Heat Pump Systems, Design and analysis of building thermal systems, residential energy consumption
	Venkatadri, U.	Industrial engineering	Supply chain management, production planning and control
	Walsh, M.	Civil and resource engineering	Drinking water treatment, water treatment plant residuals and waste water treatment
Health	Chircop, A	School of nursing	Health equity, Public policy, Qualitative research methods, Sociocultural determinants of health, Environmental health
	Guernsey, J.	Community health and epidemiology	Air quality and health, environmental health
	Martin, D.	Health and human performance	Aboriginal health, social determinants of health, food justice, oral health promotion, community based participatory research

	Tirone, S.	Health and human performance	Interdisciplinary approaches to understanding communities, social change, sustainability and human leisure activities; how communities support, enhance, or constrain the well-being of people who experience poverty; discrimination/racism/ableism
Management	Adams, M.	Resource and environmental studies	Policy, industrial sustainability, renewable energy, industrial ecology, resource efficiency, sustainable development, public engagement
	Bachard, W.	Resource and environmental studies	Marine pollution; industrial ecology; sustainable development; community-based governance; environmental management systems; pollution prevention; environmental management governance; knowledge management; and knowledge sharing.
	Barker, J.	School of business	The role of strategic behaviour in the development of ethical and sustainable knowledge, innovation and change initiatives – and the consequences of these initiatives on organizational governance systems, markets, and practices
	Beazley, K.	Resource and environmental studies	Biodiversity, ecosystems, indigenous perspectives, protected area systems planning, conservation biology, landscape ecology, environmental ethics
	Biro, A.	Resource and environmental studies	The intersection of critical and postmodern political theory and environmental politics.
	Brazner, J.	Resource and environmental studies	Developing condition indicators for wetlands; role of wetlands in the landscape; historic loss of wetlands in Nova Scotia; restoration of wetlands; and wetland research to support wetland policy.
	Bundy, A.	Resource and environmental studies	Ecosystem approaches to management; the impact of fishing on marine ecosystems; the structure and functioning of ecosystems; energy flow control in ecosystems, incorporating resource user's ecological knowledge into fisheries science; and interdisciplinary approaches to fisheries science.
	Busch, P.	Resource and environmental studies	Landscape ecology and connectivity; old-growth forests; GIS and remote sensing, wildlife habitat; avian ecology; ecological land classifications; and wetlands.
	Camerson, R.	Resource and environmental studies	Conservation of biodiversity through the use of protected areas; ecosystem classification as a tool for capturing representative ecosystems in protected areas; identification and classification of rare ecosystems; long-term ecological monitoring and assessing ecological integrity of protected areas; and conservation ecology of rare lichens.

	Castleden, H.	Resource and environmental studies	Indigenous perspectives, Human health, Ecosystems, Community-based participatory research, Pathways to social, environmental, and health equity, Indigenous-settler relations, Arts-based methodologies, Ethics
	Charlebois, S.	School of business	Food distribution, policy, safety, and security
	Charles, T.	Resource and environmental studies	Fisheries, aquaculture and the coastal zone; policy, management development, economics and socioeconomics; bioeconomic modelling; sustainable development theory and practice with emphasis on environment-economy linkages; sustainability indicators; sustainable communities and applications in Atlantic Canada; and international development particularly in Asia, Latin America and the Caribbean.
	Chute, J	Resource and environmental studies	Systems ecology; historical ecology; ethnohistory; aboriginal issues; cultural and social anthropology; park management; and policy.
	Conrad, C.	Resource and environmental studies	Environmental impacts of sediment on aquatic habitat; climatology and the marine environment; perceptions of climate change; and climate change sub-Saharan Africa.
	Cote, R.	Resource and environmental studies	Interdisciplinary management of chemicals and wastes; the management of land-based sources of marine pollution; the relationship between business and environment; and industrial ecology.
	Dawkins, C.	School of business	Human resource management (HRM), Business and society, Business and the environment, Non-governmental organizations (NGOs), Transparency within and among MNEs and national states, Corporate social responsibility, Social issues
	Duinker, P.	Resource and environmental studies	Forest, Biodiversity, Public engagement, Environmental assessment, Resource management, Climate change, Urban forests
	Furgal, C.	Resource and environmental studies	Environmental health of Indigenous populations; Arctic health; health impact assessment; environmental health risk management, perception and communication; and environmental contaminants and food security of circumpolar peoples, Indigenous Knowledge - Science interface.
	Groszko, W.	Resource and environmental studies	Solar energy and wind energy; consulting; and project development.
	Hansen, A.	Resource and environmental studies	Wetlands including ecology; restoration; conservation policy; inventory; and mapping. Spatially-explicit wildlife population models and science-based tools for environmental assessment.

	Harper, K.	Resource and environmental studies	Plant community ecology; conservation biology; forest ecology; forest edges; treeline; structural development; old-growth forests; and restoration.
	Hatcher, A.	Resource and environmental studies	Nutrient cycling and sedimentation in nearshore and freshwater ecosystems; the environmental impacts of aquaculture; and the development of citizen science. Currently working on the interface between Western and Native science and the development of science curricula at all levels within that interface.
	Haworth, R.	School of public administration	Law and economics, leadership, public policy (work on climate change, resource management)
	Kernaghan, G.	Resource and environmental studies	Ecology of fungi in northern forests; plant-microbe symbioses; rhizosphere ecology; and mycorrhizae in restoration.
	Labor, P.	Resource and environmental studies	Integrated protected areas planning and management; environmental and outdoor education; natural and cultural heritage planning and interpretation; outdoor recreation and resource management; and nature-based tourism development and planning.
	Laroque, C.	Resource and environmental studies	Past and future climates; dendrochronology; physical environments; ecosystem dynamics; dendroclimatology; dendroarchaeology; dendrogeomorphology; and dendroecology.
	Leblon, B.	Resource and environmental studies	Remote sensing applications in forestry, geology, agriculture and coastal zone management; radar remote sensing; and RADARSAT-2 images.
	MacDonald, B.	School of information management	Environmental management, fisheries management, information networks, integrated coastal and oceans management, marine and oceans issues, marine governance, public policy and decision making
	McCarthy, C.	Resource and environmental studies	Protected area management; participatory resource management; large mammal ecology; population dynamics and ethology; species at risk recovery; coastal dynamics; and invasive species management.
	Shackell, N.	Resource and environmental studies	Fisheries ecology (applying ecological theory to understand patterns in exploited marine systems) including themes of biodiversity conservation; marine protected area system design; core areas of focal species; trophic balance; ecosystem resilience to climate change; and how such information can be incorporated into an oceans management framework.
	Sherren, K.	Resource and environmental studies	Climate adaptation, ecosystem services, energy, environmental education, food, landscape values, water
	Sheehan, L.	School of business	Corporate governance, Corporate social responsibility, Travel and tourism, Socioeconomic studies, Sustainable development

	Sinclair, J.	Resource and environmental studies	Focus on community involvement and learning in the process of resource and environmental decision-making; environmental assessment; and public involvement.
	Tyedmers, P.	Resource and environmental studies	Food, ecosystems, industrial sustainability, life cycle assessment, seafood, ecological economics, carbon footprint, ecosystem services
	Ulku, A.	School of business	Green supply chains, sustainable consumption, mathematical modelling of societal problems.
	Van Wilgenburg, H.	Resource and environmental studies	Democracy and ethics in resource and environmental decision-making including public participation; environmental impact assessment and public participation including process and impact/outcome evaluation; and process and impact/outcome evaluation of health initiatives involving Aboriginal and non-Aboriginal youth.
	Walker, T.	Resource and environmental studies	Biodiversity conservation, freshwater and marine systems, health and environmental justice, industrial sustainability
	Walters, B.	Resource and environmental studies	Human ecology; people-forest interactions in the Caribbean and Philippines; and research methodology.
	Warner, A.	Resource and environmental studies	Process and outcome evaluation of environmental education programs; community forest management in protected areas in international contexts; narrative/storyline approaches to learning through earth education; and youth leadership and engagement in community development and environmental activism.
	Wells, P.	Resource and environmental studies	Bay of Fundy-Gulf of Maine-Georges Bank; coastal water quality; ecological change; ecological risk assessment; ecotoxicology; hydrocarbons; international programs in marine environmental protection; intertidal ecology; marine ecosystem health/marine environmental quality; marine environmental protection; offshore oil and gas; produced water; role of science in environmental (coastal) management; sediment quality; toxicity of mixtures; and water quality.
	Willison, M.	Resource and environmental studies	Protected areas establishment and management; biosphere reserves; conservation biology; marine protected areas; and deepwater corals.
	Wood, S.K.	Resource and environmental studies	Ecological/environmental economics; resource systems and economic development; economic instruments for environmental management; and environmental education.
Office of Sustainability- not a faculty	Owen, R.		Sustainability in higher education, Management planning - waste, energy, climate change, natural resources

Science	Andreas, H.	Chemistry	Energy, energy storage
	Aporta, C.	Marine affairs	Indigenous land use, Inuit and sea ice, marine spatial planning
	Apostle, R.	Marine affairs	Environmental studies
	Bailey, M.	Marine affairs	Cooperative management of shared fish stocks, food security and fisheries, fair trade fish
	Bentzen, P.	Biology	Population genetics, evolutionary genetics, molecular ecology, conservation biology, fisheries, fish
	Boulatoff, C.	Economics	Applied microeconomics; environmental economics
	Buchwald, C.	Oceanography	Nitrogen cycling, the effects of anthropogenic nitrogen pollution on local ecosystems.
	Burton, P.	Economics	Applied microeconomic theory, natural resource and environmental economics, economics of the family
	Chang, R,	Physics and atmospheric science	Arctic Aerosol Composition and Sources, Carbon Cycling in Permafrost Regions, Oceanic Contributions to Atmospheric Aerosol
	Charles, T.	Marine affairs	Fisheries socioeconomics, policy, management, governance, integrated ocean and coastal zone management, coastal communities and community-based conservation
	Cross, M.	Economics	Environmental and natural resource economics, history of economic thought
	Crossin, G.	Biology	Physiological and evolutionary responses of animals to natural and anthropogenic stressors, migration
	Cyrus, T.	Economics	International trade, international finance, macroeconomics, social and gendered impacts of trade
	Dahn, J	Chemistry	Electrochemistry, Energy storage
	Dasog, M.	Chemistry	Solar energy storage
	Dowd, M.	Mathematics and statistics	Environmental modelling and statistics
	Drummond, J.	Physics and atmospheric science	Ozone, Air Quality, Climate Change
	Dunlap, R.	Physics and atmospheric science	Advanced battery materials
	Fanning, L.	Marine affairs	Integrated coastal zone management, indigenous fishing rights, ocean governance, marine management, ocean law and policy

	Fennel, K.	Oceanography	Physical-biogeochemical models for understanding nutrient cycling and predicting changes in marine environments from climate change and human activity
	Field, C.	Mathematics and statistics	Marine ecology population estimation and tracking
	Filgueria, R.	Marine affairs	Ecosystem-based management, resilience, ecological modelling, aquaculture and food security
	Folkins, I.	Physics and atmospheric science	Atmospheric chemistry, climate models
	Forsdyke, R	Economics	Economics of information, environmental economics
	Gass, S.	Environmental sciences	Biology, ecology and conservation of cold-water corals; biodiversity conservation
	Hildebrand, L.	Marine affairs	Marine environmental protection
	Hill, I.	Physics and atmospheric science	Solar cells
	Hutchings, J.	Biology	Evolutionary ecology, behaviour and conservation biology of fishes
	Joanna, M.F.	Mathematics and statistics	Development and application of statistical methodology to the ecological, environmental and health sciences
	Kearney, J.	Marine affairs	Environmental anthropology (e.g. avian baseline studies, environmental assessments for wind energy projects in the province)
	Kienast, M.	Oceanography	Understanding climate change processes by studying the nitrogen cycle, tropical Pacific.
	Lane, P.A.	Biology	Human impacts on ecosystems; sustainability design, assessment and management in the developing world, particularly Latin America using Cuba as a major case study.
	Leoanard, M.	Biology	Avian Conservation - seabirds, passerines, environmental noise and communication, habitat protection.
	Lesins, G.	Physics and atmospheric science	Atmospheric science and climate change
	Lotze, H.K.	Biology	Marine ecology, renewable resources, coastal ecosystems, human impacts, ecological history, ecosystem structure and functioning, management and conservation

	Mahon, R.	Marine affairs	Institutional arrangements for living marine governance, organizational change
	Martin, R	Chemistry	Environmental chemistry, atmospheric chemistry, air pollution, climate change, biogeochemical cycling
	McConney, P.	Marine affairs	Social networks, resilience, socio-economical systems associated with small scale fisheries and marine protected areas
	Metaxas, A.	Oceanography	Invasive benthic species, deep water corals, fertilization ecology
	Milley, C.	Marine affairs	Marine resource development and management in Latin America and with Canadian First Nations
	Mushkat, P.	Environmental sciences	Environmental law
	Obrovac, M.	Chemistry	Sodium ion batteries, Electrochemistry, Energy storage
	O'Dor, R.	Biology	Tracking cephalopods, useful for understanding and planning marine protection areas
	Plug, L.	Earth science	Earth surface processes
	Rainham, D.	Environmental sciences	Elizabeth May Chair in Sustainability and Environmental Health
	Rajaselvam, R.	Biology	Agroforestry, pollinators
	Romanuk, T.	Biology	Biodiversity loss, species invasions, food web structure and dynamics, ecosystem functioning
	Ronald, P.	Marine affairs	physical fitness standards
	Ruzzante, D.	Biology	Conservation biology, fish, fisheries, local adaptation, population genetics
	Ryan, A.M.	Earth science	Earth surface processes, environmental geochemistry
	Scheibling, B.	Biology	Benthic marine ecology, marine biology, invertebrate fisheries, aquaculture, subtidal ecosystems, invasive species
	Schmidt, A.	Biology	Invasive species
	Smith, B.	Mathematics and statistics	Environmental statistics (sealevel, flooding)
	Staicer, C	Biology	Species conservation, vocal behaviour, wood-warblers
	Sterling, S.	Earth science	Understanding of watershed processes and how these are affected by human activities and climate change
	Taggart, C.T.	Oceanography	Fisheries oceanography
	Thomas, H.	Oceanography	Polar oceans and ocean acidification, ocean carbon storage.

	Thompson, K.	Mathematics and statistics	Extremes of non-stationary, non-Gaussian processes with application to coastal flooding and climate change; Data assimilation with application to forecasting the coastal and deep ocean; Ocean downscaling.
	Walde, S.	Biology	Population dynamics, arthropods, dispersal, species interactions, stream ecology
	Wallace, D.	Oceanography	Ocean fertilization; observe, understand and predict key nutrient cycles (implications of changes for marine life and the climate).
	Wells, P.	Marine affairs	Marine environmental protection; intertidal ecology; marine ecosystem health/marine environmental quality; marine environmental protection; offshore oil and gas; produced water; role of science in environmental (coastal) management;
	White, M.	Chemistry	Physical chemistry, Materials, Energy, Thermal properties of materials, Materials science, Energy storage
	Whitehead, H.	Biology	Behaviour, ecology and conservation of whales
	Worm, B.	Biology	Marine conservation biology, biodiversity science, community ecology, macroecology
	Wright, T.	Environmental sciences	Environmental sustainability in higher education; indicators of environmental sustainability; institutional environmental change; and environmental education.
Law	Chircop, A.		Arctic shipping, Canadian maritime law, international maritime law, international law of the sea, ocean law and policy
	Doelle, M.		Climate change, Environmental law, International environmental law, Marine law, Energy law, Ocean governance
	Henley, D.		Fisheries law
	Lahey, W.		Environmental regulation, Environmental law, Energy law
	MacIntosh, C.		Indigenous rights and consultation on natural resources
	McConnell, M.		Environmental law, maritime law and policy
	Saunders, P.		Environmental law, international environmental law, oil and gas law
	Seck, S.		Sustainable mining, human rights and climate change, international environmental law
	VanderZwaag, D.		Environmental law, International environmental law, Marine law, Public law, Boundary resource management, Law of the sea

Medicine	Waldron, Ingrid	Nursing, Psychiatry	Her scholarship focuses specifically on the impact of inequality and discrimination on the health and mental health of African Nova Scotian, African Canadian, Mi'kmaw, immigrant and refugee communities in Canada. Dr. Waldron's recent research projects focus on the health effects of environmental racism in African Nova Scotian and Mi'kmaw communities and the social determinants of health in African Nova Scotian and immigrant communities in Halifax.