

Inventory of Faculty conducting sustainability-related research. January 2017

Department Name	Name	Research Description
Preventative Medicine	Abigail Silva	Health Care Access and Built Environment
School of Education	Adam Kennedy	Early Childhood Science Education
Chemistry	Alanah Fitch	Toxins in the Environment
Management	Alexei Marcoux	Business Ethics
Management	Alfred Gini	Corporate Ethics
History	Alice Weinreb	The history of the industrial food system, and it's relationship to modern warfare
International Law	Allen Shoenberger	European law
Social Work	Amy Krings	Amy's research interests include community organization, social movements, urban politics, and social justice education.
Humanities	Andy Alexis-Baker	I have a book project on the Incarnation and Ecotheology, specifically dealing with nonhuman animals.
Management	Anne Reilly	Corporate social responsibility reports for scope & link to sustainability - assessing development of the Chief Sustainability Officer function within companies - exploring the link between gender, leadership, and sustainability engagement in large global companies
Political Science	Annette Steinacker	Relationship of smart growth strategies with local economic development.
Hepatology	Atesmachew Hailegiorgis	Focuses on exploring the complex interaction of human-pathogen-environment specifically related to hepatitis.
Nursing	Barbara Velsor-Friedrich	Env. Health interventions
Digital Ethics and Policy	Bastiaan Vanacker	Bioethics
Biology / Ecology	Bree Sines	Ecology
Environmental Science	Brian Ohsowski	As a research scientist, I am invested in the preservation and, when necessary, restoration of aquatic and terrestrial ecosystems.
Anthropology	BrieAnna Langlie	She is interested in the development and long-term sustainability of agricultural systems. Recently she has been studying how terraced fields, cropping schemes, and foodways were tuned to warfare and climate oscillations for a large community living in the hinterlands near Lake Titicaca between AD 1100 and 1450.
Biology / Molecular Biology	Bryan Pickett	Gene regulation for public health
Env. Science	Chris Peterson	Aquatic ecology
Marketing	Clifford Shultz	Interactions among markets, marketing, society, social traps and constructive engagement as predictors for sustainable peace, prosperity and quality of life. Particular interest in commons/resource dilemmas; environmental policy in devastated, recovering and transitioning economies -- including countries of the Mekong Basin, Balkans, Middle East and Latin America -- effects of globalization on sustainable development.
Inst. Pastoral Studies	Dale Asis	Green gentrification
Anthropology	Daniel Amick	Material culture, recycling, consumption, waste, environmental change and human adaptation
Science Education	Daniel Birmingham	Place-based science education
Humanities	Daniel Burke	Literature and ecology - how literary art reflects and shapes human understanding of our place (& impact) in the natural world.
Inst. Pastoral Studies	Daniel Rhodes	My focus is on theological critiques and counter-visions of economics.
Philosophy	David Ingram	ngram's areas of specialization are social and political philosophy, philosophy of law, philosophy of social science, critical race theory, and contemporary German and French philosophy.
Criminal Justice	David Olson	Examining the relationship between weather patterns and crime in Chicago
Bioethics	David Ozar	Healthcare Ethics
Business and Corporate Governance Law	David Rieser	Environmental Law
Computer Science	David Wetzel	My research concerns the sustainability of digital art in the face of rapid change. I am engaged in preserving cultural traditions at the intersection of fine arts and technology. This runs into issues related to society and the economy considering the impact of commercial technological developments on the ability of artists to develop and maintain their work.
Children's Law and Policy	Diane Geraghty	Ethics and Juvenile Law
Journalism	Elizabeth Coffman	Environmental Documentary
History	Elizabeth Shermer	Current research looks at the financial sustainability of higher education, both colleges and universities and the student loan industry.
Engineering Science	Gajan Sivandran	Hydrology and climate modeling
Computer Science	George Thiruvathukal	My software engineering research (funded by NSF) is aimed at understanding sustainable practices in open source projects. Open source (and all things open, such as open access, open government, etc.) and the use of technology is a key driver for most discussions about the environment. While my work does not specifically target environmental issues, many of the projects I am tracking through my software are used by science, especially climate sciences.
Divinity	Heidi Russell	Science and theology
Social Work	Holly Nelson-Becker	As defined in social terms yes. My research/training is on aspects of wisdom and aging--trying to transfer this knowledge to younger generations and interprofessional palliative care.
Biology	Howard Laten	We are addressing questions of the evolution of crop plants and to some degree the need to understand processes related to how crops may or may not adapt to the challenges of climate change with and without science-based human interventions.
Philosophy	J.D. Trout	Philosophy of Science
International Law	James Thuo Gathii	Extractive industries
Information Systems and Operations Mar	James Zydiak	Supply chain management
American Studies	Jeffrey Glover	Colonial Development
Bioethics	Jennifer Parks	Healthcare Ethics
Continuing Education (Dean)	Jessica Depinto	Transparency in supply chain and the role of regulations in supporting the transparency. I am researching recent legislation post-Rana factory disaster to address sustainability in the suppliers' labor practices.
General Nursing	Joanne Kouba	Community garden and food access projects in the Proviso Township area, including the Proviso Partners for Health community coalition.
Management	John Boatright	Business Ethics
Political Science	John Frendreis	Support for and opposition to corn-based ethanol as a biofuel
Biology / Molecular Biology	John Kelly	Microbial Ecology
Environmental Science	John Zahina-Ramos	Documenting and quantifying the benefits of sustainable urban agriculture
Biostatistics	Joseph Milanovich	Climate change / Herptology
Archeology	Juliet Brophy	Paleoenvironments
Sociology	Kathleen Maas Weigert	Education for justice and peace; nonviolence; homelessness; the Catholic social tradition
Sociology	Kelly Moore	Among other things, I study urban food politics, and I work with doctoral and MA students who study the relationship between water, seeds, and political systems in Latin America.
Biology / Molecular Biology	Kim Williamson	Immunology
Bioinformatics	Konstantin Laufer	Air / Water Pollution
Infectious Disease	Lee Cera	Infectious Disease
CTR FOR ETHICS/HEALTH POLICY	Lena Hatchett	Community-engaged research, racial and economic health disparities, urban agriculture, positive youth development
History	Leslie Dossey	My book in progress, A History of the Night in Late Antiquity, examines how people under the Roman Empire began to work later hours and consume more. This is connected to greater exploitation of their environment (and the creation of a consumption oriented economy, similar to our own).
Information Systems and Operations Mar	Maciek Nowak	Supply chain management
Public Health	Maria Picken	Lyme Disease
Physics	Maria Udo	Energy systems
Inst. Pastoral Studies	Marian Diaz	I am currently working on environmental issues in light of Laudato si' and in support of Archdiocesan attempts to implement the encyclical throughout their properties, churches and schools.

Communication Studies	Mark Pollock	Environmental Advocacy
Bioethics	Mark Repenshek	Dr. Repenshek's research focuses on ethical issues in death and dying, social justice and the under/uninsured, the intersection of Catholic moral and social teachings and modern debates in bioethics, and organizational ethics for faith-based healthcare ministries.
Biology	Martin Berg	My primary research interest involves the study of aquatic insects to address both basic and applied ecological questions.
Chemistry	Martina Schmeling	Atmospheric air pollution, metals in environmental and biological systems.
Chemistry	Martina Schmeling	Air Pollution
Marketing	Maryann Mc Grath	International examples of sustainability applications.
Social Justice and Community Development	Melissa Browning	Bioethics
Sociology	Michael Agliardo	His current research interests focus on ecclesial involvement in environmental issues in the Philippines.
Theology	Michael Murphy	Eco-theology in Catholic heritage. I have a book chapter coming out in an edited volume called "Fragile Beauty: Tension and Transcendence in Denise Levertov's Eco-Theological Poetics.
Management	Michael Welch	Business Ethics
Chemistry	Miguel Ballicora	Regulation of starch synthesis is important to manipulate its content in plants, which could ultimately be used for the production of biofuels.
Economics	Mine Cinar	Ocean acidification, carbon capture and the global environment (most recent)
Biostatistics	Molly Walsh	Biostatistics
Environmental Science	Nancy Landrum	My research addresses the intersection of business, the economy, society, the environment, and social impact.
Env. Science	Nancy Tuchman	Invasive species
Sociology	Patricia Mooney-Melvin	Urban History
Chemistry	Patrick Daubenmire	Specifically, Dr. Daubenmire's research focuses on engaging students in their learning process by focusing on how chemistry is involved in solving problems in the world, utilizing and assessing guided inquiry and cooperative learning techniques in the chemistry classroom, and assisting chemistry teachers in their development of an inquiry-based instructional repertoire.
Philosophy	Paul Ott	My research deals with the relation of values and value development to structural and practical realities of everyday life.
Social Work	Philip Young Hong	Dr. Hong's main academic interest is in poverty and workforce development. He is currently partnering with local workforce development initiatives to develop bottom-up strategies for empowering low-income individuals and families in their quest to achieve self-sufficiency.
Env. Science	Ping Jing	Her research interests include the effect of climate change on air pollution, the impact of ground-level ozone on plants, and volatile organic compounds in the Chicago region and their relationship with ozone under the additional stresses of future climate change.
Environmental Science	Reuben Keller	I work on aquatic invasive species, how they are moved to new areas, the impacts they have, and how those impacts can be minimized.
Sociology	Rhys Williams	Only addresses sustainability indirectly. I mostly study religion in American politics, and to the extent these things are issues in American politics, then I consider them.
Psychology	Robyn Mallett	I study the psychology of prejudice and intergroup relations from the perspective of members of both stigmatized and nonstigmatized social groups
Anthropology and Sociology	Ruth Gomberg-Munoz	Health and wellness conceptions
Advertising	Seung Yo	Digital advertising and social change
Biology	Stefan Kanzok	Malaria biology
Theology	Susan Ross	How Christian theology deals with consumer society
Biology / Ecology	Sushma Reddy	Bird Evolution
Biology	Swarnali Banerjee	Topics like estimating infestation, predicting incidence of diabetes contribute towards betterment of medical research that in turn improves sustainability.
Environmental Science	Tania Schusler	A current research project addresses how environmental justice organizations can advocate for urban greening and sustainable development that benefits and does not displace local residents.
International Education	Tavis Jules	Global environmental accounting
Env. Science	Tham Hoang	Ecological toxicology
Anthropology	Thea Strand	Her primary research involves ongoing fieldwork in rural Valdres, Norway, where she studies the relationships between dialect use, language change, political economy, and mass media. Her current research is focused on the ways in which dialect has become a valuable commodity in Valdres' growing tourism industry.
Business	Thomas Carson	Business Ethics
Political Science	Timothy Gilfoyle	Urban Planning
Biology	Timothy Hoellein	My research is on water pollution in urban aquatic ecosystems. Source, fate, and biological interactions of excess nutrients (i.e., nitrogen) and anthropogenic litter (plastic pollution)
Management	Timothy O'Connell	Social Enterprises
Sociology	Twyla Blackmond-Larnell	Urban affairs
Modern Languages	Weronika Walkosz	I work on Li-ion batteries.
Finance	William Bergman	I am the Director of Research at Truth in Accounting, a nonprofit dedicated to helping citizens understand government finance, including sustainability issues relating to government finance. I also teach Money & Banking, where "sustainability" deserves greater attention, including how measures advertised to defend or promote "stability" are themselves the source of instability.
Law J.D.	William Loris	I do research and analysis on sustainability and environmental issues in connection with development for international organizations such as the UNEP, FAO, Bioversity International, and WHO. In the past year, a growing proportion of my work has related to the Sustainable Development Goals.
Microbio & Immun.	Xufang Deng	My research mainly focuses on further elucidating the mechanism of PLpro-mediated evasion of innate immune response. Coronaviruses cause important human and animal disease with respiratory, gastrointestinal and neurological symptoms.