

Kent State University Sustainability Researchers 2020

Name	Expertise(s)	Research Keywords	Department (Group)
Adil Sharag-Eldin, Ph.D. LEED A.P. BD+C	Natural Ventilation, Thermal Comfort, High-Building Performance, Sustainable Design, Solar Architecture, Building Sciences, Environmental Technologies, Sustainable Communities, sustainable/green architecture, net zero energy and carbon-neutral building design, thermophysiological responses to environmental conditions, thermal comfort indoors and outdoors, urban heat stress, urban heat island and heat waves		College of Architecture & Environmental Design
Alex R. Colucci	Political Geography, Cultural Geography, Political-Economy, Social Theory, History and Philosophy of Geographic Thought, North American Environmental History and Land Use Change		Department of Geography
Andrea Blanka Széll	Environmental Attitudes, Perceptions and Behavior, Green Spaces, Protected Areas, Accessibility, Geospatial and Remotely Sensed Technologies		Department of Geography
Andrea L. Case	Plant Evolution, Mating Systems, Mitochondria, Ecological Genetics, Sexual Systems, Natural and Physical Sciences, Mathematics and Technology, Biological Sciences, Developmental Biology, evolutionary ecology, reproductive ecology and evolution, sex expression, plants	Biogeography	Center for Ecology & Natural Resource Sustainability
Anna Solberg	Tourism Geography, Human Geography, Environmental Studies, African Studies	Tourism Geography, Human Geography, Environmental Studies , African Studies, East Africa, Uganda, Tanzania, perception	Department of Geography
Anne Jefferson	hydrology, streams and rivers, groundwater, stormwater management, landscape change, stormwater, green infrastructure, socio-hydrology, urban streams and watersheds, water resources and hydrology, storm water and urban watersheds, human-altered landscapes, climate change impacts		Center for Ecology & Natural Resource Sustainability
Anthony M. Mirando, MS, LEED AP-ND	Construction Management Applied Engineering Technology International Project Management LEED Principles Green Building and Sustainability Construction Estimating Construction Scheduling Engineering Management		College of Architecture & Environmental Design
Casey-Boyd Swan	Her research focuses on public policy issues related to parental employment, early education labor markets, and child and family well-being.	Parental employment, early education; well-being	COBA; Economic Department
Cathy L. Z. DuBois	Her research has addressed the role of the Human Resource function in organizational sustainability initiatives, a variety of gender issues in HRM, among other topics. Cathy holds a PhD in industrial relations and human resource management from the University of Minnesota. She continues to publish her research in top journals and book chapters, and presents at national and international conferences. She currently sits on the Editorial Review Board of the Journal of Management Inquiry.	Sustainable development; gender; health; well-being; sexual harassment	COBA; Management & Information Systems Department
Cathy L. Z. DuBois, Ph.D.	Sustainability, Workplace Gender Issues, Employee Health & Well-being, Training and Development		College of Business Administration
Charles Frederick	Architecture		College of Architecture & Environmental Design
Charles Harker, RA	High Technology Materials Applications Urban Design Sustainable Design Plastics Applications Behavioral Studies Environmental Technology Architecture Design Arts Environmental Design or Technology		College of Architecture & Environmental Design
Chris Groening	Dr. Groening's current academic research centers around investigating stakeholder influence on the financial outcomes of a firm. He examines different micro- and macro-level conditions through which customer satisfaction and corporate social responsibility (CSR) affect firm value. He has published in Journals such as Journal of Cleaner Production, Journal of Business Ethics, and International Journal of Environmental Policy and Decision Making. At KSU, Dr. Groening has launched Corporate Social Responsibility Public Perception Quotient, http://www.csppq.com . The goal of this project is to collect and analyze consumer perceptions of corporate social responsible and irresponsible activities. Please take the survey or review the quarterly results.	Corporate social responsibility	Marketing and Entrepreneurship Department
Christopher Blackwood	Ecology, Soil Science, Microbiology, Plant Ecology, Forest restoration, Urban Ecology, Carbon Sequestration, Community Ecology, Ecosystem Ecology, Biogeochemistry, Fungi	Ecology, Soil Science, Microbiology, Plant ecology, Forest restoration, Urban ecology, Carbon Sequestration, Community Ecology, Ecosystem ecology, Biogeochemistry, Fungi	Center for Ecology & Natural Resource Sustainability
Christopher Groening, Ph.D.	Corporate Social Responsibility, Customer Satisfaction, Event Studies, Global Management Center, Marketing Strategy, Sustainability		College of Business Administration
Christopher M. Roman	Medieval Literature, Chaucer, Lydgate, Richard Rolle, Medieval Theology, Manuscript Studies, Medievalisms, Queer Theory, Affect Theory and Sense Studies, Race and Gender Studies, Environmental Theory, Animal Studies, Ethics, Arts and Humanities, Language or Literature, Philosophy	Medieval Literature, Chaucer, Lydgate, Richard Rolle, Medieval Theology, Manuscript Studies, Medievalisms, Queer Theory, Affect Theory and Sense Studies, Race and Gender Studies, Environmental Theory, Animal Studies, Ethics	Department of English
Corrine Coakley	Geographic Information Systems (GIS), Remote Sensing, Spatial Analysis, Geostatistics, Geoarchaeology, Household Studies, Maya Studies, spatial pattern recognition, Geoarchaeology, Geostatistics, environmental remote sensing, ground-penetrating radar, legacy satellite imagery, canals and irrigation features in khmer rougeera cambodia	GIS USE: Geographic Information Systems, Remote Sensing	Department of Geography
Daniel E. Palmer	Business Ethics, Healthcare Ethics, Environmental Ethics, Ethical Issues in Higher Education		Department of Philosophy
Darren L. Bade	Faculty Advisor, Limnology, Ecology, Aquatic, Ecosystem, Biogeochemistry		Center for Ecology & Natural Resource Sustainability
David Costello	Biogeochemistry; Ecotoxicology; Ecosystem Ecology; Freshwaters		Center for Ecology & Natural Resource Sustainability
David DuBois	Meditation, transcendental meditation, Intelligence, regional economic development, Community Engagement, social design, sustainability literacy, cultural agility, sustainable development goals, immersive international education experience	Sustainable Development	Brain Health Research Institute

David Singer	Environmental Mineralogy, Environmental Geochemistry, Medical Geology, earth materials, contaminant transport, metals	Geochemistry	Center for Ecology & Natural Resource Sustainability
David Smeltzer	Journalism and Mass Communications, Faculty Advisor, Evolution Education, Environmental Media, Science Education, Documentary Film, Science Media		School of Journalism & Mass Communication
David Ward	Plant Ecology, Invasion Biology, Biological Sciences, Faculty Advisor, environmental knowledge of poverty-stricken resource users in Africa, land use and degradation, desertification, plant conservation biology, plant population ecology, plant community ecology		Biological Sciences
Denise Harrison	Intersectionality, cross roads of race, class and gender, first wave feminist and suffragist, black women writers, food sourcing, food and sustainability, food activism, history of cooking Africans and African-Americans, Native American traditions, Native American culture and environmental issues		Department of Pan-African Studies
Dlane Davis-Sikora	Deployable Architecture Urban Agriculture Vertical Farming Lightweight Structures		College of Architecture & Environmental Design
Dr. Andrew Lepp	ecotourism, Conservation, sustainable development, park management, Rural People, Public Recreation, Environmental Sciences, Environmental Conservation, Natural Resource Management, Tourism and international development, Park management particularly related to the relationship between parks and people including neighboring communities, Ecotourism and sustainable tourism, Natural resource conservation and development, ICT (smartphones, etc.) and human behavior, new media use, Physical activity, sedentary behavior, Anxiety, life satisfaction	Namibia, Mental Health	Center for Ecology & Natural Resource Sustainability
Dr. Sonya Wisdom	The curriculum decisions of pre-service teachers in science education with a particular focus on environmental education, Designing and enacting action research projects in environmental education, The development of co-teaching opportunities between teachers in Special Education and Science Education, The use of 3D printing technology and the development of eco-literacy in preservice teacher science methods courses.		Science of Learning & Education Center
Elizabeth M. Herndon	Biogeochemistry, water quality, Critical Zone Processes, Soils, soil, anthropogenic impacts, acid mine drainage	Biogeochemistry, Water Quality, Arctic	Center for Ecology & Natural Resource Sustainability
Emariana Widner	Biogeography, Urban Ecology, Environmental Geography, Environmental Philosophy		Department of Geography
Eric O. Pempus	Solar Access Research Ancient Lights Urban Growth Boundaries		College of Architecture & Environmental Design
Ferenc A. de Szalay	Responses of aquatic invertebrates to management strategies in wetlands, streams, lakes, and ponds, Mosquito ecology and control methods, Vegetational, hydrological, and trophic factors regulating invertebrate communities in aquatic ecosystems		Center for Ecology & Natural Resource Sustainability
Gargi Bhaduri, Ph.D.	Sustainable Communities, Social Responsibility, consumption habits, psycho-physiology, healthy communication, health-related communication, information processing, personality traits, global sourcing, global consumerism, environmental responsibility, Corporate Social Responsibility, conscious consumerism, triple bottom line	Experimental Psychology, Experimental Design	The Fashion School
Greg Smith	Vertebrate Ecology, Wildlife Biology, Conservation Biology		Center for Ecology & Natural Resource Sustainability
Helen Piontkivska	Molecular evolution of genes and genomes, large-scale analyses of genomic sequences, adaptive evolution of host-parasite interactions		Center for Ecology & Natural Resource Sustainability
Ikpe Akpan	His research interests include computer simulation, data analytics, information visualization, and applications. Recently, He has published multiple articles related to COVID-19	health	Management & Information Systems Department
Indrarini (Rini) Laksmiana	Dr. Rini Laksmiana joined the faculty of Kent State University in 2004. She has 20 publications in various academic journals including Contemporary Accounting Research, Journal of Accounting and Public Policy, Journal of Business Research, and Journal of Business Ethics. Her research interests focus on managerial decisions and their relationship with corporate governance, corporate social responsibility, disclosure, and earnings quality. She has published in journals such as Journal of Business Ethics, Social Responsibility Journal and Sustainability Accounting	Corporate social responsibility; corporate governance; ethics	Accounting Department
Israel Oloave	environmental geosciences, Ohio, sediment and nutrient transport, hydrological models, climate change monitoring	Sediment, Climate Change	Department of Geology
Jay Lee	Geospatial Modeling, Geo Information Science, Geography of China, Urban Modeling, Environmental Disparity in Public Health, Geospatial Analysis, spatiotemporal analytics, urban information systems, geography of health, location-allocation studies	Spatio-Temporal Analytics	Department of Geography
Jean Engohang-Ndong	Tropical Diseases, Pathogenesis, Molecular Mechanisms, Disease Control	Drug Discovery, Molecular mechanisms of bacterial pathogenesis, Environmental bacteriology and water quality	Center for Ecology & Natural Resource Sustainability
Jennifer Burrell	Environmental Sciences, Disaster Recovery, Built Environment, CPTED, GIS Applications, Geospatial Intelligence		Department of Geography
Joel R. Carbonell	international relations, international environmental politics		Department of Political Science
John Hoornbeek, PhD	Environmental, Water, & Public Health Policy, Water Pollution, Government Collaboration, Public Policy, Social Sciences, Political Science, Planning & Policy Studies, Public Management & Reform, inter-governmental relations, environmental management, environmental regulation, water regulation, public health management, public health regulation, and E-government.	Regulation, Water Resources Management or Planning	College of Public Health

Jonathan Fleming	drawing, Addition Alteration and Reuse of Structures including Brownfield and sustainable re-development place: regional conceptions (especially of the Rust Belt), phenomenology and making, iterative process and design thinking, construction design-build, furniture building		College of Architecture & Environmental Design
Joseph D. Ortiz	Sedimentology, Climate Change, Well Logging Energy/Sector, water quality, Environmental Geology, Climate, Environment, diversity in STEM education, geoscience STEM education, diversity and intercultural dialogue, interconnections of human organizations and social groups		Center for Ecology & Natural Resource Sustainability Department of Geography
Karl Samuel Eitner	Environmental Geography, Climatology hydrology, Environmental Geology, Hydro-geology, Environmental Geography, Physical Geography		Department of Geography
Katherine (Kay) Springer Amey, Ph.D.	Her research primarily focuses on poverty, inequality, and social mobility and has appeared in journals such as the Journal of Public Economics, Demography, and Review of Income and Wealth.	Poverty; inequality; social mobility	COBA; Economics Department
Kathryn Wilson	aquatic ecology, microbial ecology, Water Resources, ecosystem function	Biogeochemistry	Center for Ecology & Natural Resource Sustainability
Laura G. Leff	freshwater ecosystem water quality, Carbon, nitrogen, phosphorus, iron and sulfur biogeochemistry, wetland ecosystem ecology and management, Sediment-water interface biogeochemistry, Water Resources, aquatic ecology, nutrient pollution	Hydrology, Ecosystems, Biogeochemistry, Wetlands	Center for Ecology & Natural Resource Sustainability
Lauren Kinsman-Costello	(Re)Generative Design Performance-based Design Building Performance Optimization High-Performing Building Envelopes Sustainable Design Daylighting Visual Comfort Algorithmic Design Net-Zero Energy Buildings		College of Architecture & Environmental Design
Luis Santos	Social Inequality, Race, Ethnicity, Environmental Sociology, Women, Family, Mothering		Department of Sociology
Lydia Rose	Environmental Justice, Environmental Health Disparities, communicable infectious disease, influenza, influenza-like-illnesses, hand hygiene, influenza vaccines, workplace, randomized cluster trial, Qualitative Research, Mixed methods	Occupational Health	Environmental Science and Design Research Initiative
Maggie Stedman-Smith, PhD, MPH, MS, RN	Glacial and Karst Environments, Terrestrial Remote Sensing, Geoarchaeology		Center for Ecology & Natural Resource Sustainability
Mandy Munro-Stasiuk	Theoretical and empirical investigations of community ecology in aquatic, terrestrial and riparian ecosystems; crayfish ecology, Faculty Advisor		Center for Ecology & Natural Resource Sustainability
Mark W. Kershner	lepidoptera evolutionary ecology, insect mouthpart functionality, Conservation Biology, suture zone theory		Center for Ecology & Natural Resource Sustainability
Matthew Lehnert	Journalism, Mass Communication, Environmental Media, Community Journalism, Environmental Journalism, Religion in Media, Arts Coverage, Storytelling Credibility, Public Records/Access, Story Commenting, Communication, Information		School of Journalism & Mass Communication
Mitch McKenney	Her research interests are in urban economics, public policy and elderly housing and health. More specifically she focuses on the effects of changes in social insurance programs on elderly housing decisions, long-term care decisions, and health outcomes. Her recent work has focused on the effect of living in a low-access food desert on elderly food distress and health outcomes, as well as investigating the low-take up rates of the elderly for the Supplemental Nutrition Assistance Program.	elderly; Medicare; food deserts;	COBA; Economics Department
Nadia Greenhalgh-Stanley	Sustainability, Design Education, Design History, sustainable practice, design thinking and pedagogy, local manufacturing systems, creative practice and perceptions		The Fashion School
Noël Palomo-Lovinski	Labor Economics, Environmental Economics, Experimental Economics, Econometrics, Managerial Economics		College of Business Administration
Omid Bagheri, Ph.D.	Reproductive Ecology, Selective abortion of fruits and seeds, Genetic diversity and conservation of genetic resources, Conservation ecology, Faculty Advisor, Conservation Biology, tropical biology, Plant Population Biology, Plant Genetics, Plant Ecology		Center for Ecology & Natural Resource Sustainability
Oscar Rocha	Color, Hue, Design Pedagogy, Sustainable Environments, Health and the Built Environment, Materials, Architecture, Design Arts, Environmental Design or Technology		College of Architecture & Environmental Design
Pamela Evans, Ph.D., FIDEC, IIDA, LEED AP	He has diverse research interests which include cybersecurity, technology re-engineering and green supply chains. He has published in the about Green Supply Chains in the Transportation Journal and the International Journal of Sustainable Society.	Sustainable development; sustainable society; logistics; supply chain	Management & Information Systems Department
Pratim Datta	Urban Ecology Vegetative Roof Systems Performance Landscapes Rain Gardens Ecological Services Living Architecture Green Roofs Constructed Ecologies Novel Ecologies Landscape Green Infrastructure Ecosystem Services		College of Architecture & Environmental Design Center for Ecology & Natural Resource Sustainability
Reid Coffman, Ph.D.	Ecology, Invertebrates, Aquatic, Wetland, Conservation		College of Architecture & Environmental Design Center for Ecology & Natural Resource Sustainability
Robert Hamilton	His main research areas include the applications of machine learning in different industries including banking, FinTech, Energy and health. He has published in Journals such as The American Journal of Emergency Medicine, the Journal of the American Informatics Association, The Journal of Gene Medicine, and Energy for Sustainable Development.	health; diagnosis; medicine, energy; sustainable development.	COBA; Management & Information Systems Department
Rouzbeh Razavi	Accessibility, Visual Credibility, Web Standards, Social Responsibility, Sustainability		School of Visual Communication Design Biological Sciences
Sanda Katila	Microbiology, Environmental, Diagnostics		School of Visual Communication Design Biological Sciences
Sanhita Gupta, Ph.D.	Climatology, Biometeorology, Climate, Climate Change, Climate And Health, Applied Climatology, Health	Climate Change, Weather	Center for Ecology & Natural Resource Sustainability
Scott Sheridan	Some of his research interest include urban environmental economics and racial profiling. He has received over \$600,000 from 10 externally-funded grants. This includes \$76,600 from the Kauffman Foundation to study how local property taxation affects entrepreneurship using regression discontinuity design as well as \$280,000 from the National Institute of Justice to study how police officer learning and mentoring affect racial profiling.	poverty; racial profiling; Workplace safety	Economics Department
Shawn Rohlin			

Steven Rugare	Architecture Environmental Design World Expositions Colonial Issues Production of Natural Identities Colonial and Post-Colonial-Build Environments Urban Planning History Contemporary Urban Experience	College of Architecture & Environmental Design
Suat Gunhan, Ph.D., M.ASCE	International Construction Sustainable Construction Project Delivery Leadership in Construction Construction Management Pedagogy	College of Architecture & Environmental Design
Tara C. Smith, Ph.D.	Emerging infectious diseases, Zoonotic diseases, Staphylococcus aureus, Bacterial ecology and antibiotic resistance, Zombies, Infectious Diseases, Antibiotic resistance, emerging diseases, rural communities, Global health, environmental contamination, bacterial contamination, bacterial evolution, bacterial epidemiology, vaccine hesitancy	Infectious Diseases, Environmental Health, Vaccines
William Kelvin	Environmental Communication, Corporate Communication, Media Studies	College of Public Health School of Communication Studies
Xiaozhen Mou	Faculty Advisor, MA Coordinator, Ecological roles of microbial organisms in the global cycling of essential nutrients, Phylogenetic and metabolic diversity of bacterial communities in aquatic ecosystems, Metagenomics and metatranscriptomics in aquatic ecosystems, microbial ecology, Metagenomics, Metatranscriptomics, Biogeochemistry, Nutrient Turnover, HAB, harmful algal bloom, environmental contaminants, organic compound degradation	Water Quality, Microbiology
		Biological Sciences