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Research interests

Environmental economics • Development economics • Gender • Energy • Applied microeconomics

Education

2024 PhD Food & Resource Economics (expected May 2024), UNIVERSITY OF BRITISH COLUMBIA
2017 MEM Environmental Economics and Policy, DUKE UNIVERSITY
2011 BSFS Political Economy, GEORGETOWN UNIVERSITY

Dissertation

Title: “Three Essays in Environmental and Development Economics”
Main advisors: Sumeet Gulati, Munir Squires
Other advisors: Subhrendu Pattanayak, Frederik Noack, Werner Antweiler

Peer-reviewed publications

2023 “Gender Differences in Informal Labor Market Resilience” with M Hardy, J McCasland, and G Kagy, *World Bank Economic Review*, Vol. 37 Issue 1 (February 2023), 112–126. doi: [10.1093/wber/lhac028](https://doi.org/10.1093/wber/lhac028).

2021 “Is energy the golden thread? A systematic review of the impacts of modern and traditional energy use in low-and middle-income countries” with M Jeuland, TR Fetter, Y Li, SK Pattanayak, F Usmani, and others, *Renewable and Sustainable Energy Reviews*, Vol. 135 (January 2021), 110406. doi: [10.1016/j.rser.2020.110406](https://doi.org/10.1016/j.rser.2020.110406).

2019 “Returns to rural electrification: Evidence from Bhutan” with SK Pattanayak and T Thinley, *World Development*, Vol. 121 (September 2019), 75–96. doi: [10.1016/j.worlddev.2019.04.002](https://doi.org/10.1016/j.worlddev.2019.04.002).

2018 “Through the looking glass: Environmental health economics in low and middle income countries” with SK Pattanayak and E Pakhtigian, *Handbook of Environmental Economics*, Vol. 4 (2018), 143–191. doi: [10.1016/bs.hesenv.2018.08.004](https://doi.org/10.1016/bs.hesenv.2018.08.004).

2018 “Why does industry structure matter for unconventional oil and gas development? Examining revenue sharing outcomes in North Dakota” with KJ Neville, B Johnson-King, and E Weinthal, *Energy Research & Social Science*, Vol. 44 (October 2018), 371–384. doi: [10.1016/j.erss.2018.05.006](https://doi.org/10.1016/j.erss.2018.05.006).

Working papers

2023 JOB MARKET PAPER - “Toxic Recycling: The Cost of Used Lead-Acid Battery Processing in Mexico” with B Cecato, M Romero, and T Zárata-Barrera.

- 2023 “Gendered time-use benefits from improved cooking solutions: A multi-country impact evaluation” with M Chandrasekaran, C Jumbe, PP Krishnapriya, R McCord, R Mulwa, R Ruhinduka, K Sonke, G Tembo, M Jeuland, and SK Pattanayak
- 2023 “When technology adoption interventions fail: The case of domestic biogas digesters in Senegal” with J Peters, M Jeuland, and O Ndiaye.

In progress

- 2023 “Climate Change and Household Energy Transitions in Developing Countries”, invited review for *PLOS Climate* with V Menghwani, H Zerriffi, and others.
- 2023 “Intra-household bargaining power over budgets: Evidence from four African Countries” with M Chandrasekaran, PP Krishnapriya, R McCord, K Sonke, M Jeuland, and SK Pattanayak.
- 2023 “Electric cooking in the energy transition: How much subsidization is needed?” with A Nanyiti, A Damte Beyene, E Musembi, K Kigundu, M Maina, and N Kilimani.
- 2023 “Piloting electric cooking appliances in Uganda” with P Mwesiga, E Avila, J Baanabe, and A Naluwagga.

Policy publications

- 2023 “Energizing health: accelerating electricity access in health-care facilities” [Contributing author], Geneva: World Health Organization, the World Bank, Sustainable Energy for All and the International Renewable Energy Agency; 2023. <https://www.who.int/publications/i/item/9789240066960>.
- 2017 “Cooking Practices, Human Health, and the Environment: The Case of Mandena, Madagascar.” with LK Greene, L Guidera, and T Klug. In *Energy and Development* (pp. 43-52). Durham, NC: Glean Energy Access Network.

Research grants

- 2023–24 Environment for Development (EfD) Initiative, “Electric cooking in the energy transition: How much subsidization is needed?” (USD 71,000)
- 2023 Open Philanthropy, “Income and mortality effects if lead (Pb) exposure in Mexico” (USD 13,140)
- 2020–21 CIDER Small Grants in Innovative Data, University of British Columbia, “The affordability challenge: Evaluating the role of consumer-targeted subsidies in alleviating energy poverty” (CAD 10,590)
- 2018–19 Social Science and Humanities Research Council, Explore Grant (CAD 4,000)

Fellowships, prizes & awards

- 2020–24 President’s Academic Excellence Initiative PhD Award, University of British Columbia (UBC) (CAD 5,566)
- 2018–24 International Tuition Award, UBC (CAD 16,000)
- 2020–23 Ursula Knight Abbott Travel Scholarship in Agricultural Sciences, UBC (CAD 4,375)
- 2023 Graduate Covid Program Delay Tuition Award, UBC (CAD 2,100)
- 2018–22 International Doctoral Fellowship, UBC (CAD 150,564)
- 2020 John Schildroth Memorial Scholarship, UBC (CAD 1,800)
- 2018 RWI Transatlantic Research Exchange
- 2015–17 Tuition Scholarship, Nicholas School of the Environment (USD 34,000)
- 2016 Fellowship, Duke University Energy Initiative Energy (USD 4,000)

Research presentations

- 2034 Allied Social Science Associations (upcoming), CSAE Conference 2024: Economic Development in Africa (upcoming)
- 2023 North East Universities Development Consortium (upcoming), Canadian Resource and Environmental Economics Association Fall Conference, Camp Resources, Annual Conference of the European Association of Environmental and Resource Economists
- 2022 Western Economics Association Annual Conference, Environment for Development (EfD) Annual Meeting
- 2021 Sustainable Energy Transitions Initiative Annual Meeting, International Association for Feminist Economics Annual Conference
- 2020 Sustainable Energy Transitions Initiative Annual Meeting
- 2019 Midwest Economic Association Meetings
- 2018 Environment for Development (EfD) Forest Collaborative, RWI Research Network Workshop: Deforestation and Energy Access
- 2017 E.O. Wilson Foundation Biodiversity Days, Environmental Research and Social Science Conference, Environment for Development (EfD) Annual Meeting
- 2016 Environment for Development (EfD) Annual Meeting, Duke University Energy Conference, Duke Global Health Institute Showcase, Triangle Research Initiative on Household Energy Transitions

Professional experience

- 2022–2023 Research Consultant, ACCESS TO ENERGY INSTITUTE, Berlin, Germany
- 2021–22 Research Technician, UNIVERSITY OF NORTH CAROLINA, Department of Geography, Chapel Hill, NC, USA
- 2019–23 Graduate Research Assistant, UNIVERSITY OF BRITISH COLUMBIA, Vancouver School of Economics & Faculty of Land and Food Systems, Vancouver, BC, Canada
- 2017–18 Associate in Research, DUKE UNIVERSITY, Sanford School of Public Policy, Durham, NC, USA
- 2016–17 Graduate Research Assistant, DUKE UNIVERSITY, Durham, NC, USA
- 2016 Energy and Economics Fellow, WORLD HEALTH ORGANIZATION, Population Health and Environment Dept., Geneva, Switzerland
- 2013–16 Research Associate, INNOVATIONS FOR POVERTY ACTION, Dar es Salaam, Tanzania
- 2015 Research Consultant, TWaweza, Dar es Salaam, Tanzania

Teaching & pedagogical training

- 2023 Associate of the Centre for the Integration of Research, Teaching and Learning (CIRTL), UNIVERSITY OF BRITISH COLUMBIA (UBC)
- 2023 Instructional Skills Workshop for Graduate Students, UBC

- 2022–23 Teaching Assistant, Causal Inference in the Economics of Natural Resource Conservation (upper-undergraduate and graduate level) with S Gulati, UBC
- 2022 Teaching Assistant, Policy Analysis and Program Evaluation (master’s level) with G Jaramillo, UBC
- 2019–20 Grader, Economic Analysis of Engineering Projects (undergraduate level) with K Wiseman and J Carmichael, UBC
- 2016 Teaching Assistant, Environment, Conflict and Peacebuilding (undergraduate level) with E Weinthal, DUKE UNIVERSITY

Skills

Computing: Stata, R, \LaTeX , ODK, Python, ArcGIS, QGIS
 Languages: English (native), Swahili (Advanced), Spanish (Intermediate), French (Beginner)
 International fieldwork: Tanzania, Kenya, Uganda, Senegal, Madagascar

Professional activities, service & affiliations

Referee: *Journal of Environmental Economics and Management*, *Resource and Energy Economics*, *Environment and Development Economics*, *World Development*, *Energy for Sustainable Development*, *Energy and Climate Change*, *African Geographical Review*, *Heliyon*, *Research Triangle Initiative (RTI) Press*

Affiliate/Associate of: James E. Rogers Energy Access Project at Duke University, Environment for Development (EfD) - Chile

Member of: European Association of Environmental and Resource Economists; Sustainable Energy Transitions Initiative

References

Sumeet Gulati

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 University of British Columbia
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