

# Erin Litzow

THE UNIVERSITY OF TEXAS AT DALLAS  
School of Economic, Political, and Policy Sciences  
Cecil H. Green Hall  
800 W. Campbell Road, GR 31  
Richardson, TX 75080 USA

✉ [erin.litzow@utdallas.edu](mailto:erin.litzow@utdallas.edu)  
☎ (+1) (972) 883-4982  
🌐 [www.erinlitzow.com](http://www.erinlitzow.com)  
🐦 [@elitzow](https://twitter.com/elitzow)  
🌍 U.S. Citizen

## Research interests

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

## Education

2024 PhD Food & Resource Economics (ISLFS), 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 “Toxic Recycling: The Cost of Used Lead-Acid Battery Processing in Mexico” with B Cecato, T Zárate-Barrera, and M Romero.

- 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 Zeriffi, 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

2024	Allied Social Science Associations, CSAE Conference 2024: Economic Development in Africa
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

2024	Instructor, World Political Economy (graduate level), UNIVERSITY OF TEXAS AT DALLAS
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, L<sup>A</sup>T<sub>E</sub>X, 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 Research & Social Science*, *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

Professor in Environmental and Resource Economics

University of British Columbia

Vancouver, BC V6T 1Z4 Canada

✉ [sumeet.gulati@ubc.ca](mailto:sumeet.gulati@ubc.ca)

☎ (+1) (604) 822-2144

### Munir Squires

Assistant Professor, Vancouver School of Economics

University of British Columbia

Vancouver, BC V6T 1Z4 Canada

✉ [munir.squires@ubc.ca](mailto:munir.squires@ubc.ca)

☎ (+1) (604) 822-5062

### Subhrendu Pattanayak

Oak Foundation Professor of Environmental and Energy Policy

Duke University

Durham, NC 27708 USA

✉ [subhrendu.pattanayak@duke.edu](mailto:subhrendu.pattanayak@duke.edu)

☎ (+1) (919) 613-9306

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[www.erinlitzow.com](http://www.erinlitzow.com)