

# EMILY L. PAKHTIGIAN

Duke University ◊ Sanford School of Public Policy

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## EDUCATION

### Duke University

**2020** (*expected*) Ph.D. in Public Policy with Economics Concentration, Sanford School of Public Policy  
M.A. in Economics, Economics Department

Certificate in College Teaching, The Graduate School

**2018-19** Preparing Future Faculty Fellow, The Graduate School

### Moravian College

**2015** B.A. in Economics, *summa cum laude*, with honors, minor in Mathematics

B.A. in Political Science, *summa cum laude*

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## RESEARCH INTERESTS

Development Economics ◊ Environmental Economics ◊ Applied Microeconomics

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## DISSERTATION

**Title** “Three Essays in Environmental and Development Economics”

**Advisors** Subhrendu Pattanayak (main), Marc Jeuland, Robyn Meeks, Alex Pfaff, Xiao Yu Wang

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## PAPERS AND PUBLICATIONS

### Peer-Reviewed Published Work

**2019** Pakhtigian, E. L. and Jeuland, M. (2019). Valuing Environmental Quality: Evidence from Western Nepal. *Ecological Economics*, 158, 158-167.

Pakhtigian, E. L., Jeuland, M., Bharati, L., and Pandey, V. (2019). The role of hydropower in visions of water resources development for rivers of Western Nepal. *International Journal of Water Resources Development*.

**2018** Pattanayak, S. K., Pakhtigian, E. L., and Litzow, E. L. (2018). Through the looking glass: Environmental health economics in low and middle income countries. *Handbook of Environmental Economics*, 4, 143-191.

### In Progress

“Implications of water use trade-offs for development planning: Hydro-economic modeling in Western Nepal” with M. Jeuland

“Joint impacts of indoor and outdoor air pollution on health in Indonesia” with S.K. Pattanayak and J-S. Tan Soo

“Women who do not migrate: Social interactions and participation in Western Nepal” with G. Shrestha and M. Jeuland

“The Energy Access Dividend in Latin America” with E. Burton, M. Jeuland, S.K. Pattanayak, and J. Phillips

“Hydro-economic Modeling Framework to Address Water-Energy-Environment-Food Nexus Questions at the River Basin Scale” with A. Sood, M. Bekchanov, and M. Jeuland

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## TEACHING EXPERIENCE

### Instructor

- 2019 F** Instructor, Master of Public Policy Math Refresher Short Course, Duke University  
(*Upcoming*)
- 2018 F** Co-Instructor, Advanced Course on Program Evaluation for Natural Resource and Environmental Economists Workshop, SANDEE, Kathmandu, Nepal
- 2018 F** Instructor, Master of Public Policy Math Refresher Short Course, Duke University

### Teaching Assistant

- 2019 S** Head Teaching Assistant, Microeconomics: Policy Applications, Duke University  
(*TA evaluation: 4.87/5*)
- 2018 S** Teaching Assistant, Global Environmental Health: Economics and Policy, Duke University  
(*TA evaluation: 4.9/5*)
- 2015 S** Teaching Assistant, Intermediate Microeconomics, Moravian College
- 2014 F/S** Teaching Assistant, Intermediate Microeconomics, Moravian College
- 2013 F/S** Teaching Assistant, Intermediate Microeconomics, Moravian College

### Guest Lectures

- 2019 S** Microeconomics: Policy Applications (S. Pattanayak, Duke University)  
Intermediate Microeconomics (K. Rouse, Elon University)
- 2018 F** Cost Benefit Analysis (M. Jeuland, Duke University)
- 2018 S** Global Environmental Health: Economics and Policy (S. Pattanayak, Duke University)

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## PRESENTATIONS

- 2019** Sustainable Energy Transitions Initiative Annual Meeting, Santiago, Chile  
Allied Social Science Association Annual Meeting, Atlanta, Georgia  
Digo Jal Bikas Dissemination Workshop, Kathmandu, Nepal  
Graduate Research Workshop, Sanford School of Public Policy, Durham, North Carolina
- 2018** World Congress of Environmental and Resource Economists, Gothenburg, Sweden  
Graduate Research Workshop, Sanford School of Public Policy, Durham, North Carolina
- 2017** Trade-off Arena Workshop, Kathmandu, Nepal  
Graduate Research Workshop, Sanford School of Public Policy, Durham, North Carolina
- 2015** Eastern Economic Association Annual Conference, New York City, New York

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## RESEARCH GRANTS

- 2019-2020** International Growth Centre (IGC)  
Co-PI: “Opening the black box of information interventions: Evidence from India”  
(£56,800)

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## FELLOWSHIPS, PRIZES, AND AWARDS

- 2018** Duke India Institute Travel Grant (\$1,860)  
Duke University Center for International & Global Studies Graduate Awards for Research and Training (\$750)  
Duke Graduate School Award for Conference Travel (\$700)  
Duke Graduate School Professional Development Grant (\$400)
- 2017-18** Duke University Center for International & Global Studies Grant for Graduate Working Groups on Global Issues (\$2,000)
- 2016-19** Duke University Graduate School Summer Research Fellowship (\$22,000)  
Sanford School of Public Policy Small Grants (\$1,900)
- 2011-15** Moravian College Comenius Medallion Scholarship (Full Tuition)

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## RESEARCH EXPERIENCE

- 2018** Graduate Research Assistant, Duke University  
Project: Evaluating the Energy Access Dividend for Latin America  
Advisor: Dr. Subhrendu Pattanayak
- 2016-2019** Graduate Research Assistant, Duke University  
Project: Sustainable, Just, and Productive Water Resources Development in Western Nepal  
Advisor: Dr. Marc Jeuland
- 2016** Graduate Research Assistant, Duke University  
Project: Arsenic Contamination and Cognitive Ability in Rural Bangladesh  
Advisor: Dr. Amar Hamoudi
- 2014** Intern, International Centre for Diarrhoeal Disease Research, Bangladesh
- 2013-15** Data Editor, Brown University Population Studies & Training Center

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## RELATED SKILLS

**Computing Proficiency:** L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Stata

**Computing Experience:** AERMOD, ArcGIS, ArcSWAT, GAMS, IHACRES, ODK, MATLAB, QGIS, R

**Languages:** English (native), Spanish (basic)

**Field Work:** Bangladesh, India, Nepal

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## PROFESSIONAL ACTIVITIES, SERVICES, AND AFFILIATIONS

**Referee:** Water Resources Research

**Coordinator:** Global Environmental Health and Energy Working Group (2017-18, 2018-19), Graduate Research Workshop (2018-19)

**Member of:** American Economic Association, Association of Environmental and Resource Economists, Association for Public Policy Analysis and Management