

Kyle Emerick

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Positions:

- 2020-present: Associate Professor, Department of Economics, Tufts University
- 2023-2024: Visiting Faculty, Yale University Economic Growth Center
- 2018-2020: James L. Paddock Assistant Professor in International Economics, Tufts University
- 2014-2018: Assistant Professor, Department of Economics, Tufts University
- 2016-2017: Visiting Researcher, Boston University Institute for Economic Development

Affiliations:

- 2019-: Research Affiliate, Centre for Economic Policy Research (CEPR), Development Economics
- 2020-: Affiliate, Abdul Latif Jameel Poverty Action Lab (JPAL)

Professional Service:

- 2019-: Associate Editor, Journal of Development Economics
- 2020-: Associate Editor (handling papers), Environment and Development Economics
- 2020-: Panel Member, Standing Panel on Impact Assessment, CGIAR

Education:

- PhD Agricultural and Resource Economics, University of California Berkeley, 2014
- M.S. Agricultural and Resource Economics, University of Arizona, 2007
- B.S. Environmental Economics and Policy, University of California Berkeley, 2005

Published and Forthcoming Papers

The agricultural wage gap within rural villages (with Ceren Baysan, Manzoor Dar, and Elisabeth Sadoulet), *Journal of Development Economics*, 2024

Private Input Suppliers as Information Agents for Technology Adoption in Agriculture (with Eleanor Wiseman Alain de Janvry, Elisabeth Sadoulet, and Manzoor Dar), *American Economic Journal: Applied Economics*, 2024

Inefficient water pricing and incentives for conservation (with Ujjayant Chakravorty and Manzoor Dar), *American Economic Journal: Applied Economics*, 2023

Farmer Field Days and Demonstrator Selection for Increasing Technology Adoption (with Manzoor Dar), *Review of Economics and Statistics*, 2021

Agricultural productivity and the sectoral reallocation of labor in rural India, *Journal of Development Economics*, 2018

Trading Frictions in Indian Village Economies, *Journal of Development Economics*, 2018

Technological innovations, downside risk, and the modernization of agriculture (with Alain de Janvry, Manzoor H. Dar, and Elisabeth Sadoulet) *American Economic Review*, 2016

Adaptation to climate change: Evidence from US agriculture (with Marshall Burke) *American Economic Journal: Economic Policy*, 2016, *Awarded 2019 AEJ Policy Best Paper Award*

Delinking land rights from land use: Certification and migration in Mexico (with Alain de Janvry, Marco Gonzalez-Navarro and Elisabeth Sadoulet). *American Economic Review*, 2015

Economic organization and the structure of water transactions (with Dean Lueck). *Journal of Agricultural and Resource Economics*, 2015

Flood-tolerant rice reduces yield variability and raises expected yield, differentially benefitting socially disadvantaged groups (with Alain de Janvry, Manzoor H. Dar, Elisabeth Sadoulet, and David Raitzer). *Scientific Reports* 3:3315, 2013

Working Papers

Casting a Wider Net: Sharing Information Beyond Social Networks (with Erin Kelley, Alain de Janvry, Elisabeth Sadoulet, and Manzoor Dar), 2025, *Revise and Resubmit*, *Econometrica*

Registered Report: Market Unraveling and Quality Control in Agriculture, Pre-Analysis Plan, 2025, *Revise and Resubmit*, *Journal of Development Economics*

The Dynamic Effects of Temperature on Human Capital (with Maggie Y. Liu, Yogita Shamdasani, and Vis Taraz), 2025, *submitted*

Targeted Subsidies for Water Conservation in Smallholder Agriculture (with Humnath Bhandari, Muhammad Ashraful Habib, and Ujjayant Chakravorty), 2022

Productivity dispersion and persistence among the world's most numerous firms (with Casey Maue and Marshall Burke), 2020

Lighting up the last mile: The costs and benefits of extending electricity to the rural poor (with Ujjayant Chakravorty and Majah Leah-Ravago), 2016

Review Articles

Sub1Rice: Engineering Rice for Climate Change (with Pamela C. Ronald), *Cold Springs Harbor Perspectives in Biology*, 2019

Current Grants

DNA fingerprinting to solve info asymmetries and trigger climate adaptation in India, with Erin Kelley, Greg Lane and Manzoor Dar, International Growth Center + Weiss Foundation + Standing Panel on Impact Assessment, \$428,204

Measuring farm-level environmental and social benefits of carbon credits in Egyptian agriculture, with Mai Mahmood and Siddhi Doshi, JPAL Air and Water Lab, \$73,795

Revitalizing Traditional Water Tanks for Climate Adaptation in India, with Shweta Bhogale, funded by JPAL King Climate Action Initiative, \$173,634

A pilot on technological innovation to increase yield and reduce straw burning in the Philippines, with Alice Laborte and Valerian Pede, funded by JPAL King Climate Action Initiative, \$75,000

Past Grants

Long-term socioeconomic and environmental impacts of improved lentils in Bangladesh, funded by CGIAR SPIA, \$180,021

Using experimental evidence to scale up Alternate Wetting and Drying technology for rice production in Bangladesh, funded by JPAL King Climate Action Initiative, \$55,000

Strategies to enhance the adoption of electricity-saving technology in irrigated agriculture, funded by Energy and Economic Growth Applied Research Program, Oxford Policy Management, \$245,105

The role of the private sector in agricultural extension, funded by Agricultural Technology Adoption Initiative, \$275,000

Agricultural Development and Human Capital In India, funded by Structural Transformation and Economic Growth Initiative (STEG), GBP 14,850

Irrigation management and greenhouse gas emissions from agriculture in Bangladesh, \$450,000, 3iE

Understanding productivity dispersion in African Agriculture, NSF, \$125,000

General equilibrium effects of drought tolerance on local labor markets in India, funded by Agricultural Technology Adoption Initiative, \$345,860

Impacts of drought tolerant rice in Bangladesh, funded by Standing Panel of Impact Assessment (SPIA) of the CGIAR, \$231,634

Technological innovations, downside risk, and the modernization of agriculture, funded by Agricultural Technology Adoption Initiative, \$312,271

Long-term effects of risk-reducing agricultural innovation, funded by Agricultural Technology Adoption Initiative, \$324,059

Enhancing the diffusion of information about agricultural technology, funded by Agricultural Technology Adoption Initiative, \$80,000

Selected Presentations (including scheduled)

2026: Princeton Development Seminar

2025: Boston University Development Seminar

2024: Yale Kuznets Mini Conference on Agriculture, CEPR Paris Meeting, Development Economics Network Berlin Seminar

2023: University of Illinois Urbana-Champaign (Ag. and Consumer Economics), IADB, Ateneo de Manila University, Yale Development Seminar, International Rice Congress Manila Philippines

2022: University of Chicago Development Seminar, LEAP Conference Bocconi University, UC Riverside, North Carolina State, Bangladesh Agricultural University Research System

2021: Harvard/MIT Development Seminar, 6th Network Science in Economics Conference, National University of Singapore Applied Micro Seminar

2020: University of Arizona (AREC), Delhi School of Economics

2019: SIOE (Stockholm), University of Connecticut (Ag Econ), Yale Research Initiative on Innovation and Scale (Y-RISE) Annual Meeting

2018: Indiana University, Georgia State University, Stakeholders Workshop on Alternate Wetting and Drying at Bangladesh Ministry of Agriculture

2017: Cornell (Dyson), CGIAR Standing Panel on Impact Assessment Workshop (Nairobi), University of Edinburgh (Workshop on Agricultural Productivity and Structural Transformation), Berkeley ARE (Symposium for Profs Alain de Janvry and Elisabeth Sadoulet), IFPRI Applied Micro Seminar

2016: USAID Energy Conference (Manila Philippines), FERDI Learning for Adopting Workshop (Clermont-Ferrand France), Annual World Bank Conference on Development Economics, Georgia State CEAR Food Security Workshop, Georgetown Development Seminar, Boston University Development Seminar, UConn Environment Seminar

2015: University of Arizona (AREC), University of the Philippines, Yale Development Seminar

2014: Tufts University, UC Merced, University of Connecticut, BREAD Conference UC Berkeley, AAEA Annual Meetings Minneapolis, BRAC Workshop Bangladesh

2013: PACDEV San Francisco State University, Berkeley Bioeconomy Conference

2012: PACDEV UC Davis, NEUDC Dartmouth College

2010: 12th Occasional Workshop on Environmental and Resource Economics UC Santa Barbara

PhD Student Advising

Mai Mahmoud (2024), advisor, first job: JPAL MENA Postdoc

Girija Bahety (2022), committee member, first job: Amazon

Carolyn Pelnik (2025) advisor, first job: World Bank Development Economics Research Group

Sarah Shaukat (2025) advisor, first job: Visiting Assistant Professor, College of Wooster

Manali Sovani (2025) advisor, first job: Amazon Intern

Anne Krahn (2025) advisor, first job: Postdoc

Axel Eizmendi Larrinaga (2026) advisor

Siddhi Doshi (2026) advisor

Josue Awonon (2026) advisor

Aanchal Bagga (2027) advisor

Anais-Tricia Toungui (2027) advisor

Teaching

Economics 231, 2nd year PhD Econometrics, Tufts University, Fall 2024, Fall 2025

Economics 15, Basic Econometrics, Tufts University, Fall 2022, Spring 2025

Economics 11, Intermediate Microeconomic Theory, Tufts University, Spring 2015, Fall 2017-2020

Economics 8, Principles of Economics w/ Environmental Applications, Spring 2025

Economics 192, 2nd year Empirical Project, PhD-level, Spring 2021

Economics 197, Senior Honor's Thesis Research Seminar, Tufts University, Each semester 2017-2023

Economics 299, PhD Student Empirical Workshop: Fall 2022

EIB 213, Master's Level Econometrics, Fletcher School, Tufts University, Fall 2021, Fall 2022

Economics 35, Economic Development, Tufts University, Fall 2014, Fall 2015

Professional Service

Referee for (alphabetical): Agricultural Economics, AIMS Agriculture, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Review, American Economic Review: Insights, American Journal of Agricultural Economics, Canadian Journal of Economics, Climatic Change, Econometrica, Economic Development and Cultural Change, Economic Journal, Environment and Development Economics, Environmental and Resource Economics, European Economic Review, European Review of Agricultural Economics, Food Policy, International Economic Review, Journal of African Economies, Journal of Agricultural and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Development Economics, Journal of Development Studies, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Journal of Health Economics, Journal of Human Resources, Journal of Institutional Economics, Journal of Law and Economics, Journal of Political Economy, Journal of Political Economy Microeconomics, Journal of Public Economics, Journal of the Royal Society, Land Economics, Management Science, Nature Plants, Nature Sustainability, Oxford Bulletin of Economics and Statistics, Proceedings of the National Academy of Sciences, Quantitative Economics, Quarterly Journal of Economics, Regional Environmental Change, Resource and Energy Economics, Review of Economic Studies, Review of Economics and Statistics, Science, The Econometrics Journal, World Bank Economic Review, World Development, World Development Perspectives

Mentor, Indian Scholars Program, JPAL (2022) ; Mentor, Association for Mentoring and Inclusion in Economics (2022); Mentor, MENA Scholars Program (2023)

Chair of Organizing Committee, NEUDC at Tufts University, 2025

Proposal Reviews and Panels

NSF Panel (4 times), NSF Reviewer (2019), National Academies of Sciences, European Research Council (ERC), Structural Transformation and Economic Growth (STEG) Initiative CEPR, Swiss NSF (2), Israel Science Foundation, World Bank, USAID Basis, USAID DIV, Agricultural Technology Adoption Initiative (ATAI), PEDL CEPR, NEUDC Paper Review (2017, 2020, 2022, 2023), King Climate Action Initiative 2020-2024 (JPAL)