

MUNIB INAM

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EDUCATION

Ph.D. in Agricultural Economics University of Kentucky, 2025 (Expected)

Dissertation: “Essays on Extreme Weather Events: Analyzing Impacts on Agricultural and Water Resources in the United States”

Summary: Examines how weather extremes impact U.S. agriculture and water resources. Chapter 1 looks at how constructing extreme weather metrics after spatially interpolating weather data systematically biases yield estimates. Chapter 2 links extreme weather to water quality, and Chapter 3 looks at the heterogeneous effects of lot size composition on residential water demand.

Committee: Steven Buck (chair), Tyler Mark, Nicholas Pates, Jason Unrine

Visiting Graduate Student University of California, Riverside, 2022

Master of Arts in Economics Vanderbilt University, 2020

Bachelor of Science in Economics National University of Sciences and Technology, 2017

Thesis: “Determinants of Financial Inclusion and the Associated Barriers in Developing Countries”

RESEARCH FIELDS

Applied Econometrics, Environmental & Resource Economics, Agricultural Economics

RESEARCH

- Inam, M (2025). Measuring Extreme Weather and its Effects on Agriculture in the United States (Job Market Paper).
- Inam, M, Buck, S. (2024). Modeling Uncertainty in the Effects of Climate Change on Agricultural Land and Water Use.
- Inam, M, Nemati M, Buck S. (2023). Heterogeneous Effects of Housing Lot Size Composition on Water Consumption: Evidence from Water Agencies in California.
- Inam, M, Buck S. (2023). The Impact of Extreme Weather Events on Water Quality in the U.S.

CONFERENCE PRESENTATIONS

- “Management and Policy Challenges in a Water-Scarce World: Part II Panel Discussion,” *Universities Council on Water Resources*, Minneapolis, MN, USA, 2025.
- “The Effects of Drought and Extreme Precipitation on U.S. Corn Yields,” *Universities Council on Water Resources*, Minneapolis, MN, USA, 2025.
- “The Impacts of Weather Measurement Errors on Agricultural Productivity Estimates,” *Universities Council on Water Resources*, Minneapolis, MN, USA, 2025.
- “Measuring Extreme Weather and its Effects on Agricultural Productivity in the United States,” *Southern Agricultural Economics Association*, Irving, TX, USA, 2025.

- “Measuring Extreme Weather and its Impact on Agriculture in Kentucky, USA,” *Southern Agricultural Economics Association*, Atlanta, GA, USA, 2024.
- “Modeling Uncertainty in the Effects of Climate Change on Agricultural Land and Water Use,” *Universities Council on Water Resources*, Fort Collins, CO, USA, 2023.
- “Heterogeneous Effects of Housing Lot Size Composition on Water Consumption: Evidence from Water Agencies in California,” *Agricultural and Applied Economics Association*, Washington, DC, USA, 2023.
- “The Impact of Extreme Weather Events on Water Quality in Kentucky, USA,” *Southern Agricultural Economics Association*, Oklahoma City, OK, USA, 2022.
- “The Impact of Extreme Weather Events on Water Quality in Kentucky, USA,” *John P. Wyatt, M.D. Environment and Health Symposium*, Lexington, KY, USA, 2022.

TEACHING EXPERIENCE

Primary Instructor

University of Kentucky

- International Agriculture, World Food Needs, and U.S. Trade in Agricultural Products (AEC 309), Fall 2023

Description: A course introducing students to economic markets for agricultural products, international trade in agricultural products, exchange rate markets, food security, sustainability and world markets.

Teaching Assistant

University of Kentucky

- Environmental and Resource Economics, Spring 2022 (Primary Instructor: Dr. Steven Buck)

HONORS AND AWARDS

- 1st place, Job Market Paper Competition, Southern Agricultural Economics Association, 2025
- 3rd place, Poster Competition, Southern Agricultural Economics Association, 2023
- James S. and Rosemary Worley Research Award for contribution to Economic Research, Vanderbilt University, 2020
- Full Tuition Scholarship for Graduate Study at the Masters level, Vanderbilt University, 2018-2020

PROFESSIONAL ACTIVITIES

- Assistant Coordinator, Water Challenges in a Water Scarce World Conference, Fort Collins, CO, 2023
- Assistant Coordinator, Multi-state Research Project W-4190: Management and Policy Challenges in a Water-Scarce World, Slade, KY, 2022

TECHNICAL SKILLS

- **Programming Languages:** R-Studio, Python, STATA, SPSS, Mathematica
- **High-Performance Computing:** Experience with SLURM on HPC clusters

REFERENCES

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