

David Andrew Keiser

EMPLOYMENT

2026 – present	Professor, School of the Environment, Yale University
2021 – 2026	Professor, Department of Resource Economics, UMass Amherst
2020 – 2021	Associate Professor, Department of Resource Economics, UMass Amherst
2019 – 2020	Assistant Professor, Department of Resource Economics, UMass Amherst
2018 – 2019	Division Director, Resource and Enviro. Econ., CARD, Iowa State
2014 – 2019	Assistant Professor, Department of Economics, Iowa State University
2007	Environmental Litigation Consultant, Gilbert Randolph, LLP
2004 – 2007	Environmental Litigation Consultant, KCIC, LLC

EDUCATION

2014	Ph.D. Environmental and Natural Resource Economics, School of Forestry and Environmental Studies, Yale University
2012	M.Phil. Environmental and Natural Resource Economics, School of Forestry and Environmental Studies, Yale University
2009	M.S. Agricultural and Applied Economics, University of Georgia
2003	B.A. Mathematics/Religious Studies, University of Virginia

ACADEMIC AFFILIATIONS

2019 – present	Faculty Collaborator, Center for Agricultural and Rural Development (CARD), Iowa State University
2018 – present	Fellow, Center for Behavioral and Experimental Agri-Environmental Research (CBEAR)
2022 – 2025	Research Economist, National Bureau of Economic Research
2021 – 2026	Faculty Associate, UMass Computational Social Science Institute
2020 – 2023	Adjunct, Dyson School of Applied Economics, Cornell University
2014 – 2019	Faculty Affiliate, CARD, Iowa State University

APPOINTMENTS

2025 – present	Research Associate, National Bureau of Economic Research
2024 – present	Features Editor, <i>Review of Environmental Economics and Policy</i>
2020 – present	Editorial Board, <i>Land Economics</i>
2026 – present	Study Committee Member, Onsite Wastewater Treatment Systems. Connecticut Academy of Science and Engineering
2021 – 2025*	Member, U.S. Environmental Protection Agency Science Advisory Board
	*Reappointed through 2027; the entire board was dismissed in 2025.
	-Economic Analysis Committee, 2021 – 2025
	-Scientific and Technological Achievements Awards Panel
	-Chair, 2024 – 2025, Member, 2021 – 2023
	-Microbial and Disinfection Byproduct (MDBP) Revisions Review Panel, 2024 – 2025
	-Greenhouse Gas Rules Workgroup, 2023 – 2024
	-Waters of the U.S. Workgroup, 2022
	-PFAS Review Panel, 2021 – 2022

2019 – 2020 Co-chair, External Environmental Economics Advisory Committee,
Review Committee on the Clean Water Rule

JOURNAL ARTICLES

Chen, C.-T., G.E. Lade, J. Crespi, and D.A. Keiser. 2025. “Size-Based Regulations and Environmental Quality: Evidence from the U.S. Livestock Industry.” *American Journal of Agricultural Economics*.

Andarge, T., D. Ghanem, D.A. Keiser, and G.E. Lade. 2025. “Quantifying Threshold Manipulation in the Presence of Rounding: The Case of Lead Monitoring in U.S. Drinking Water.” *American Economic Review: Insights*, 7(3): 285-305.

Vossler, C., D.A. Keiser, C.L. Kling, and D. Phaneuf. 2025. “Information Scripts and the Incentive Compatibility of Discrete Choice Experiments.” *Journal of the Association of Environmental and Resource Economists*, 12(2): 459-492.

Lade, G.E., J. Comito, J. Benning, C.L. Kling, and D.A. Keiser. 2024. “Improving Private Well Testing Programs: Experimental Evidence from Iowa.” *Environmental Science and Technology*, 58(33): 14596-14607.

Keiser, D.A., B. Mazumder, D. Molitor, J.S. Shapiro, and B. Walker. 2024. “Do Earmarks Target Low-Income and Minority Communities? Evidence from US Drinking Water.” *AEA Papers and Proceedings*, 114: 36-40.

Greenhill, S., H. Druckenmiller, S. Wang, D.A. Keiser, M. Girotto, J.K. Moore, N. Yamaguchi, A. Todeschini, and J.S. Shapiro. 2024. “Machine Learning Predicts Which Rivers, Streams, and Wetlands the Clean Water Act Regulates.” *Science*, 383(6681): 406-412.

Andarge, T., Y. Ji, B. Keeler, D.A. Keiser, and C. McKenzie. 2024. “Environmental Justice and the Clean Water Act: Implications for Economic Analyses of Clean Water Regulations.” *Environmental and Energy Policy and the Economy*, 5: 77-103.

Moore, C., J. Corona, C. Griffiths, M.T. Heberling, J. Hewitt, D.A. Keiser, C.L. Kling, M. Massey, M. Papenfus, D.J. Phaneuf, D. Smith, C.A. Vossler, and W. Wheeler. 2023. “Measuring the Social Benefits of Water Quality Improvements to Support Regulatory Objectives: Progress and Future Directions.” *Proceedings of the National Academy of Sciences*, 120(18): e2120247120.

Vossler, C.A., C.L. Dolph, J.C. Finlay, D.A. Keiser, C.L. Kling, and D.J. Phaneuf. 2023. “Valuing Improvements in Ecological Integrity in Local and Regional Watersheds: The Biological Condition Gradient Ladder.” *Proceedings of the National Academy of Sciences*, 120(18): e2120251119.

Christensen, P., D.A. Keiser, and G.E. Lade. 2023. “Economic Effects of Environmental Crises: Evidence from Flint, Michigan.” *American Economic Journal: Economic Policy*, 15(1): 196-232.

Keiser, D.A., S.M. Olmstead, K.J. Boyle, V.B. Flatt, B.L. Keeler, D.J. Phaneuf, J.S. Shapiro,

- and J.P. Shimshack. 2022. “The Evolution of the “Waters of the United States” and the Role of Economics.” *Review of Environmental Economics and Policy*, 16(1): 146-152.
- Ji, Y., D.A. Keiser, C.L. Kling, and D.J. Phaneuf. 2021. “Revenue and Distributional Consequences of Alternative Outdoor Recreation Pricing Mechanisms: Evidence from a Micropanel Dataset.” *Land Economics*, 98(3): 478-494.
- Keiser, D.A., S.M. Olmstead, K.J. Boyle, V.B. Flatt, B.L. Keeler, C.L. Kling, D.J. Phaneuf, J.S. Shapiro, and J.P. Shimshack. 2021. “A Water Rule That Turns a Blind Eye to Transboundary Pollution.” *Science*, 372(6539): 241-243.
- Keiser, D.A. 2020. “The Effectiveness of Phosphate Bans.” *Review of Environmental Economics and Policy*, 14(2): 331-338.
- Ji, Y., D.A. Keiser, and C.L. Kling. 2020. “Temporal Reliability of Welfare Estimates from Revealed Preferences.” *Journal of the Association of Environmental and Resource Economists*, 7(4): 659-686.
- Keiser, D.A. and J.S. Shapiro. 2019. “U.S. Water Pollution Regulation Over the Last Half Century: Burning Waters to Crystal Springs?” *Journal of Economic Perspectives*, 33(4): 51-75.
- Keiser, D.A., C.L. Kling, and J.S. Shapiro. 2019. “The Low but Uncertain Measured Benefits of U.S. Water Quality Policy.” *Proceedings of the National Academy of Sciences*, 116(12): 5262-5269.
- Keiser, D.A. 2019. “The Missing Benefits of Clean Water and the Role of Mismeasured Pollution.” *Journal of the Association of Environmental and Resource Economists*, 6(4): 669-707.
- Keiser, D.A. and J.S. Shapiro. 2019. “Consequences of the U.S. Clean Water Act and the Demand for Water Quality.” *Quarterly Journal of Economics*, 134(1): 349-396.
- **Selected as Editors’ Choice, *Science*, 2018, 362(6414): 555.
- **Named as one of the top 5 cited papers in 2019 in the *Quarterly Journal of Economics*.
- Keiser, D.A., G.E. Lade, and I. Rudik. 2018. “Air Pollution and Visitation at U.S. National Parks.” *Science Advances*, 4(7): eaat1613.
- Cohen, A.W. and D.A. Keiser. 2017. “The Effectiveness of Incomplete and Overlapping Pollution Regulation: Evidence from Bans on Phosphate in Automatic Dishwasher Detergent.” *Journal of Public Economics*, 150: 53-74.
- Keiser, D.A. and N.Z. Muller. 2017. “Air and Water: Integrated Assessment Models for Multiple Media.” *Annual Review of Resource Economics*, 9: 165-184.
- Kling, C.L., R.W. Artritt, G. Calhoun, and D.A. Keiser. 2017. “Integrated Assessment Models of the Food, Energy, and Water (FEW) Nexus: A Review and Research Needs.” *Annual Review of Resource Economics*, 9: 143-163.
- Keiser, A.D., D.A. Keiser, M.S. Strickland, and M.A. Bradford. 2014. “Disentangling the mechanisms underlying functional differences among microbial communities.” *Journal of Ecology*, 102(3): 603-609.

WORKING PAPERS

Keiser, D.A., B. Mazumder, D. Molitor, and J. Shapiro. 2026. “Water Works: Causes and Consequences of Safe Drinking Water in America.” Conditionally accepted at *Quarterly Journal of Economics*.

Keiser, D.A., D. Phaneuf, C. Kling, Y. Ji, T. Andarge, M. Hoque, N. Shinde, and Y.-H. Shr. 2026. “Gross External Damages of Water Pollution in the United States.”

Kim, T.-H. and D.A. Keiser. 2026. “The Impact of Temperature on Mortality in South Korea.” Revise and Resubmit at *Land Economics*.

SELECTED WORK IN PROGRESS

Jin, Y. and D.A. Keiser. “The Effects of Water System Consolidation.”

Ganvir, A., Y. Jin, and D.A. Keiser. “The Effectiveness of Sanitation Investments in India.”

DePaula, G., B. Jeddi, and D.A. Keiser. “Adapting to Disasters: Evidence from Drought in Brazil.”

Wan, X. and D.A. Keiser. “The Impact of Chemical Disclosures and Regulations in Consumer Products: Evidence from Bisphenol A.”

OLDER WORKING PAPERS

Meyer, K. and D.A. Keiser. 2018. “Adapting to Climate Change Through Tile Drainage: Evidence from Micro Level Data.”

Ji, Y., D.A. Keiser, and C.L. Kling. 2017. “Water-based Recreation and Water Quality Indices: A Revealed Preference Approach.”

OTHER PUBLICATIONS

Shapiro, J.S., H. Druckenmiller, S. Greenhill, D.A. Keiser, and S. Wang. 2024. “Federal Swings in Water Regulations Dramatically Changed Policy for Energy Projects.” Energy Institute Blog, UC Berkeley.

Lade, G.E., J. Comito, J. Benning, D.A. Keiser, and C.L. Kling. 2022. “The Iowa Rural Drinking Water Survey: Water Quality Perceptions and Avoidance Behaviors Among Rural Iowa Households.” Center for Agricultural and Rural Development, Iowa State University.

Keiser, D.A., B.A. Davis Noll, C.L. Kling, and R. Rothschild. 2022. “Measuring the Benefits of Power Plant Effluent Regulation: The Steam Electric Reconsideration Rule and Potential Future Methods.” Institute for Policy Integrity, New York University School of Law. June 2022.

Keiser, D.A., C.L. Kling, and D.J. Phaneuf. 2020. “Introduction to the Special Issue: Integrated Assessment Models and the Social Cost of Water Pollution Workshop.” *Land Economics*, 96(4): iii-iv.

Keiser, D.A., S.M. Olmstead, K.J. Boyle, V.B. Flatt, B.L. Keeler, D.J. Phaneuf, J.S. Shapiro, and J.P. Shimshack. 2020. “Report on the Repeal of the Clean Water Rule and its Replacement

with the Navigable Waters Protection Rule to Define Waters of the United States (WOTUS).” A Report for the External Environmental Economics Advisory Committee. December 2020.

Keiser, D.A. and J.S. Shapiro. 2019. “The Clean Water Rule and Economic Research on U.S. Water Pollution Regulation.” VoxEU. October 2019.

Keiser, D.A., C.L. Kling, and D.J. Phaneuf. 2019. “The Social Cost of Water Pollution.” Resources, Issue 201, May 2019.

Tang, C., Y.-H. Shr, G.E. Lade, D.A. Keiser, and C.L. Kling. 2018. “The Costs and Benefits of Nutrient Reduction Programs.” CARD Agricultural Policy Review, Fall 2018.

Keiser, D.A., and J.S. Shapiro. 2018. “How the Clean Water Act has Served the Environment and the Economy.” VoxEU. October 2018.

Keiser, D.A., G.E. Lade, and I. Rudik. 2018. "Ozone Pollution in U.S. National Parks is Nearly the Same as in Large Cities." The Conversation. July 2018.

Tang, C., G.E. Lade, D.A. Keiser, C.L. Kling, Y. Ji, and Y.-H. Shr. 2018. “Economic Benefits of Nitrogen Reductions in Iowa.” Mimeo, Iowa State.

Kling, C.L., R.W. Arritt, G. Calhoun, and D.A. Keiser. 2016. “Research Needs and Challenges in the Food, Energy, and Water System: Findings from an NSF Funded Workshop.” CARD Agricultural Policy Review, Spring 2016.

Kling, C.L., R.W. Arritt, G. Calhoun, D.A. Keiser, J.M. Antle, J.G. Arnold, M. Carriquiry, I. Chaubey, P. Christensen, B. Ganapathysubramanian, P. Gassman, W. Gutowski, T.W. Hertel, G. Hoogenboom, E. Irwin, M. Khanna, P. Mérel, D. Phaneuf, A. Plantinga, S. Polasky, P. Preckel, S. Rabotyagov, I. Rudik, S. Secchi, A. Smith, A. Vanloocke, C. Wolter, W. Zhang, and J. Zhao. 2016. “Research Needs and Challenges in the FEW System: Coupling economic models with agronomic, hydrologic, and bioenergy models for sustainable food, energy, and water systems.” Working Paper 16-WP 563, March 2016, Center for Agricultural and Rural Development, Iowa State University.

Cohen, A. and D.A. Keiser. 2015. “The Unintended Consequences of Household Phosphate Bans.” CARD Agricultural Policy Review, Fall 2015.

GRANTS AND CONTRACTS

Total Awards: \$11,370,592

-Principal Investigator: \$2,374,537

-Co-Principal Investigator: \$8,996,055

NOAA. 2026-2029. “Estimating the Economic Costs of Harmful Algal Blooms in Three US Locations.” \$1,211,634 (Co-Principal Investigator)

USDA. 2026-2029. “The Iowa Rural Drinking Water Initiative: Reducing Pollution Exposure and Increasing Participation in Well Water Quality Testing Programs.” \$590,000 (Co-Principal Investigator)

NSF. 2024-2025. “National Center for Water Policy (NCWP).” \$99,990 (Principal Investigator)

UMass Office of Research Development, LIRA Track 2. 2023. “Water Innovation for Sustainability and Equity (WISE) Center.” \$60,000 (Co-Investigator)

NIH. 2022 – 2027. “Drinking Water, the Health of Older Americans, and Inequality.” \$3,374,632 (Co-Investigator)

USDA. 2022 – 2025. “Measuring the Social Costs of Nutrient Pollution through Integrated Assessment Modeling.” \$649,697 (Principal Investigator)

USEPA. 2022-2025. “Valuing Water Quality Improvements in Nationwide Ecosystems: Total Value Based on the Biological Condition Gradient.” \$741,864 (Co-Principal Investigator)

NSF. 2022 – 2025. “DISES: Coproducing Actionable Science to Understand, Mitigate, and Adapt to Cyanobacterial Harmful Algal Blooms (CHABS).” \$1,599,997 (Co-Principal Investigator) – Withdrew from award before start of project due to personal conflict.

USDA-AFRI. 2019-2024. “Integrated Assessment Models for Water Quality Valuation: Application to NRCS Conservation Initiatives.” \$496,265 (Co-Principal Investigator)

USDA-AFRI. 2019-2023. “Rural Drinking Water Habits, Information Provision, and Pollution Exposure.” \$500,000 (Co-Principal Investigator)

USDA-NRCS. 2017 – 2021. “Monetization of Water Quality Benefits of EQIP.” \$150,000 (Principal Investigator 2018-2021, Co-Principal Investigator until 2018)

USEPA. 2015 – 2023. “Valuing Water Quality Improvements in Midwestern Ecosystems: Spatial Variability, Validity and Extent of the Market for Total Value.” \$800,000 (Principal Investigator 2018-2023; Co-Principal Investigator until 2018)

Iowa DNR. 2018. “Community Fishing Survey.” \$14,850 (Principal Investigator)

Leopold Center for Sustainable Agriculture. 2017 – 2018. “Information Provision, Rural Drinking Water Habits, and Pollution Exposure.” \$35,000 (Co-Principal Investigator)

Iowa Economic Development Authority and HUD. 2017 – 2020. “Iowa Watershed Approach for Urban and Rural Resilience.” \$195,000 (Co-Principal Investigator)

USDA. 2015 – 2018. “Nudging in the Face of Risk and Ambiguity Aversion: Adopting Cover Crops to Reduce Nutrient Pollution.” \$75,000 (Co-Principal Investigator)

NSF – SESYNC. 2015-2016. “The Value of Water Quality to Lake Recreation: Evidence from Geotagged Social Media.” \$70,741 (Co-Principal Investigator)

NSF. 2015. “FEW: Coupling Economic Models with Agronomic, Hydrologic, and Bioenergy Models for Sustainable Food, Energy, and Water Systems.” \$45,922 (Co-Principal Investigator)

USDA-NIFA. 2014 – 2017. “The Value of Water Quantity Versus Quality: Assessing The Tradeoffs Between Agricultural Yields and Downstream Uses of Water Resources.” \$660,000 (Principal Investigator)

PATENTS

Provisional patent, US Patent and Trademark Office, “Waters of the United States – Machine Learning.” With Simon Greenhill, Hannah Druckenmiller, Sherrie Wang, Manuela Giroto,

Jason K. Moore, Nobuhiro Yamaguchi, Alberto Todeschini, and Joseph Shapiro.

CONFERENCES AND INVITED PRESENTATIONS

2024 – present and planned: 2025 ASSA Annual Meetings (discussant); Caltech Innovations in the Science & Policy of Water Quality Measurement Workshop; Cornell University; Indiana University; 2025 National Bureau of Economic Research Summer Institute; National University of Singapore; Oregon State; Transatlantic Seminar on Environmental and Energy Economics; UC Davis; University of Missouri; Yale University

2021 – 2023: AERE Summer Conference (2021, 2022); Case Western Reserve University, Clean Water Act Symposium (2022); Huazhong Agricultural University; Indiana University; The Social Cost of Water Pollution Workshop; UC Berkeley; UConn; USEPA (x3); Yale University

2019 – 2020: AERE-AAEA joint session at AAEA Annual Meetings (2019); Industrial Economics; Jinan University; Penn State; The World Bank; University of Alabama; University of California, Davis; UConn; University of Massachusetts, Amherst; University of Virginia; University of Wisconsin, Madison; Williams College

2017 – 2018: AERE Session at AEA Annual Meetings (2017); AERE Summer Conference (Discussant and Presenter, 2017); AERE Summer Pre-Conference Workshop (2017); Cornell University; Economics of Water and Energy Workshop; Iowa State University; NBER EEE Summer Institute (Egg Timer, 2017); National Academy of Sciences Sackler Colloquium on Economics, Environment, and Sustainable Development; RDG Design Residency; TREE Workshop (Duke/NC State/RTI); University of California, Davis; University of Wisconsin-Madison; University of Minnesota; USDA-NIFA (2018)

2015 – 2016: AAEA Annual Meeting (2016); AERE Session at AEA Annual Meetings (2016); AERE Summer Conference (2015); Heartland Environmental and Resource Economics Workshop (2016); Iowa State University; NSF Workshop on Food, Energy, and Water (2015); University of Illinois at Urbana-Champaign; University of Minnesota; US EPA National Center for Environmental Economics

2009 – 2014: AAEA Annual Meeting (2009); AERE Summer Conference (2013); Connecticut Academy of Science and Engineering; Heartland Environmental and Resource Economics Workshop; Northeast Agricultural and Resource Economics Association Annual Meeting (2013); USDA SERA 30 Natural Resource Economics Meeting (2009); Yale University Environmental Economics Seminar; Yale University School of Forestry and Environmental Studies Doctoral Student Research Conference

SERVICE

Yale School of the Environment

Research Committee, 2026 – present

University of Massachusetts Amherst

Environmental and Natural Resource Economics Seminar Organizer, 2023 – 2026

Department Personnel Committee, 2020 – 2023 (Chair), 2024 – 2026 (Member)

Department Executive Committee, 2020 – 2023

iCONS Steering Committee for Food, Water, Climate, 2021 – 2022

Computer Committee Member, 2019 – 2020
Undergraduate Studies Committee Member, 2019 – 2020
Faculty Recruiting Committee Member, 2019 – 2020

Iowa State University

Recruiting and Admission Committee Member, 2018 – 2019
Curriculum Committee Member, 2016 – 2019
Faculty Awards Committee Member, 2014 – 2016

Professional

AERE Oates Dissertation Award Committee, 2024–present (Chair), 2022–2024 (Member)
AERE 2023 Summer Conference, 2022 – 2023, Co-Lead of Organizing Committee
Guest Editor, *Proceedings of the National Academy of Sciences*, 2021 – 2023
Co-founder and Organizer, Social Cost of Water Pollution Workshop, 2018 – Present
AAEA Galbraith Forum and Award Committee, 2017 – 2019

Review Service

Agricultural and Applied Economics Association Annual Meetings; American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; American Economic Review: Insights; American Journal of Agricultural Economics; American Journal of Health Economics; Communications Earth & Environment; Ecological Economics; Economic Journal; Energy Economics; Environmental and Resource Economics; Environmental Science & Technology; Global Environmental Change; JAMA Network Open; Journal of Benefit-Cost Analysis; Journal of Development Economics; Journal of Environmental Economics and Management; Journal of Environmental Economics and Policy; Journal of the European Economic Association; Journal of Health Economics; Journal of Human Resources; Journal of Policy Analysis and Management; Journal of Public Economics; Journal of the Association of Environmental and Resource Economists; Labour Economics; Land Economics; Pedosphere; National Science Foundation; Nature - Human Behaviour; Nature – Sustainability; Proceedings of the National Academy of Sciences; PNAS Nexus; Quarterly Journal of Economics; Resource and Energy Economics; Review of Economics and Statistics; Science; Science of the Total Environment; South Asian Network for Development and Environmental Economics; U.S. Department of Agriculture; U.S. Environmental Protection Agency; Water Policy; Water Resources Research

Technical Reviews:

A Method for Predicting the Outcome of the Secondary Test in EPA’s Interim Economic Guidance for Water Quality Standards (2021)

Other Service

Finance Committee Member, Town of Pelham, MA 2024 – Present

OTHER RESEARCH AND SERVICE ACTIVITIES

Principal Investigator, “Benefits and Costs of Natural Resources Policies Affecting Ecosystem Services on Public and Private Lands.” USDA-NIFA, Hatch Multistate Project W3133, 2014 – 2019

Study Committee Member, “Methods to Measure Phosphorus and Make Future Projections.”

Prepared by the Connecticut Academy of Science and Engineering for the Connecticut Department of Energy and Environmental Protection, 2013 – 2014

Consultant, Pacific Adaptation to Climate Change Project, UNDP, 2011 – 2012

Research Assistant, Dr. Robert Mendelsohn, Yale University, 2011 – 2013

Research Assistant, Dr. Nathan Smith, University of Georgia, 2007 – 2009

TEACHING

Yale School of the Environment

US Clean Water Policy (Graduate), Fall 2026

University of Massachusetts Amherst

Managerial Economics (Undergraduate), Fall 2019, Spring 2021

Econometric Methods (Graduate), Spring 2020 - 2024

Economics of Water Policy (Undergraduate), Fall 2021 - 2025

Environmental Economics (Graduate), Spring 2023, 2025, Fall 2024, Fall 2025

Environmental Economics Qualifying Exam Committee, Spring 2024, Spring 2025

Iowa State University

Intermediate Environmental & Resource Economics (Undergraduate), Fall 2018

Advanced Environmental Economics (Graduate), Fall 2014 – 2018

Principles of Microeconomics (Undergraduate), Fall 2014 – 2017

Guest Lectures

University of Wisconsin, Resource & Energy Demand Analysis, March 2019

Indiana University, Water Policy and Economics, October 2020

ADVISING

Postdoctoral Scholars (Advisor)

Nilesh Shinde, 2022-2025, Assistant Professor, Indiana University (2025-present)

Tina Andarge, 2020-2022, Assistant Professor, UMass Amherst (2022-present)

Jimmy Shr (Co-Advisor), 2017-2019, Assistant Professor then Associate Professor, National Taiwan University (2019-present)

Chuan Tang (Co-Advisor), 2017-2019, Bayer Crop Science (2019-2020), Assistant Professor then Associate Professor, Huazhong Agricultural University (2020-present)

Doctoral Students (Chair)

Elliot Grenier, 2026-present, Current PhD Student at Yale

Nima Rafizadeh, 2024-present, Current PhD Student at UMass Amherst

Aniket Ganvir, 2022-present, Current PhD Student at UMass Amherst

Yingyi Jin, 2022-present, Current PhD Student at UMass Amherst

Gayana Udugama (Co-Chair), 2020-2025, Economist, World Bank (2025 – present)

Taehyun Kim, 2020-2025, Associate Research Fellow, Korea Rural Economic Institute, (2025-2026), Assistant Professor, Pukyong National University (2026)
 Xibo Wan (Chair at Iowa State), 2017-2021, Postdoctoral Associate, MIT Sloan (2021-2023), Postdoctoral Associate, UConn (2023-2026), Research Assistant Professor, North Dakota State University (2026)
 Xianjun Qiu, 2014-2018, Buddhist Ministry
 Kevin Meyer (Co-Chair), 2014-2017, Assistant and then Associate Professor, Saginaw Valley State (2017-present)

Doctoral Students (Committee Member and Placement)

Thanos Moraitis, Economics, 2026, Assistant Economist, Competition and Markets Authority
 Chen-Ti Chen, Economics, 2021, Postdoc at Cornell and then Assistant Professor, The Ohio State University (member while at Iowa State)
 Diego Soares Cardoso, Economics, Transferred to Cornell (2019)
 Katherine Lacy, Economics, 2018, Lecturer at University of Nevada, Reno
 Armando Figueroa, Wind Science, Engineering, and Policy, 2017, MISO Energy
 Timothy Rakitan, Economics, 2017, Lecturer at Valparaiso University
 Zabid Iqbal, Economics, 2017, Research Associate at Bangladesh Institute of Development Studies
 Jae-Hoon Sun, Economics, December 2016, Research Fellow at Korea Rural Economic Institute

Master's Students (Chair and Placement)

Paige Smalley, 2022-2023, Energy Analyst / Economist III, MA Department of Public Utilities
 Ashley Taylor, 2018-2019, Utility Analyst, Iowa Department of Justice
 Jennifer Duncan, 2017-2018
 Ananyo Chakravarty, 2014-2015, Business/Finance Manager, Ethos Group

Master's Students (Committee Member and Placement)

Miranda Wehde, Political Science, May 2017, City Manager Intern, Ames, IA
 Rosa Rivera, Economics, May 2016, Survey Statistician at U.S. Census Bureau
 Kevin Duncan, Economics, May 2016, PhD program at Iowa State
 Jing Xie, Economics, May 2015, M.S. program at New York University

HONORS AND FELLOWSHIPS

UMass SBS Nominee for Conti Award (2 nominees per college), 2022, 2024
 2025 UMass Distinguished Teaching Award Nominee (anonymous nominations from students)
 UMass SBS Outstanding Research Award, 2022
 Yale University Doctoral Fellowship, 2009 – 2014
 Nominee for the Conference of Southern Graduate Schools Master's Thesis Award in Social Sciences, Business, and Education, University of Georgia, 2010
 Claudia DePalma Davis Outstanding M.S. Student, University of Georgia, 2009

Research Assistantship, University of Georgia, 2007 – 2009

University of Virginia Class of 2003 Trustee, 2002 – 2008

Valedictorian, Cave Spring High School, Roanoke, VA, 1999

RESEARCH RELATED CONSULTING

Expert Witness, Class Plaintiffs in re Flint Water Cases; Carthan et al. v. Snyder, et al., No. 16-cv-10444-JEL-MKM, 2020 – 2024.

Consultant, Research Mentor for Central Bank of Brazil, Inter-American Development Bank, 2022

Consultant, 2020 Steam Electric Reconsideration Rule, Center for Applied Environmental Law and Policy, 2021 – 2022

Co-chair, Review of Clean Water Rule and Navigable Waters Protection Rule, External Environmental Economics Advisory Committee, 2019 – 2020

Last Updated: September 2026