

Hongxing Liu

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ACADEMIC POSITIONS **Assistant Professor** Department of Economics
Lafayette College, Easton, PA 2017 – now

EDUCATION **Ph.D.** in Agricultural, Environmental, and Development Economics
The Ohio State University 2012 – 2017
M. S. in Agricultural, Environmental, and Development Economics
The Ohio State University 2012 – 2014
B. A. in Marine Economics, Ocean University of China 2008 – 2012

PEER-REVIEWED PUBLICATIONS (Student co-author indicated by *)

7. Long, D., **Liu, H.**, and Nayga, R.. 2023, “Polarization in environmental donations – application to deforestation prevention donation”, *Land Economics*, 99(1), 122-140.
6. **Liu, H.**, Gomez-Minambres, J., and Qi, D. 2022, “Menu-Dependent Food Choices and Food Waste”, *Resources, Conservation & Recycling*, 176, 105919.
5. Vörösmarty, C., Stewart-Koster, B., Green, P., Boone, E., Flörke, M., Fischer, G., Wiberg, D., Bunn, S., Bhaduri, A., McIntyre, P., Cosgrove, W., Sadoff, C., **Liu, H.**, and Stifel, D.. 2021, “A Green-Gray Path to Global Water Security and Sustainable Infrastructure”, *Global Environmental Change*, 70, 102344.
4. **Liu, H.**, Zhang, W., Irwin, E., Kast, J., Aloysius, N., Martin, J., and Kalcic, M., 2020, “Best Management Practices and Nutrient Reduction: An Integrated Economic-Hydrologic Model of Western Lake Erie Basin”, *Land Economics*, 96 (4), 510-530.
3. Duke, J., **Liu, H.**, Monteith, T., McGrath, J., and Fiorellino, N., 2020, “A Method for Predicting Participation in a Performance Based Water Quality Trading Program”, *Ecological Economics*, 177, 106762.
2. **Liu, H.**, Ruebeck, C., 2020, “Knowledge Spillover and Positive Environmental Externality in Agricultural Decision Making under Performance-based Payment Programs”, *Agricultural and Resource Economics Review*, 49 (2), 270-290.
winner of ARER Best Article Award
1. **Liu, H.**, Gopalakrishnan, S., Browning, D., and Sivandran, G., 2019, “Valuing Water Quality Change Using a Coupled Economic-Hydrological Model”, *Ecological Economics*, 161, 32–40 .

OTHER PEER-REVIEWED PUBLICATIONS

2. Book chapter: Liu, H. and Zhou, Z.* “An introduction to non-market valuation and its applications to the Lehigh Gap Restoration”, Forthcoming as part of Pennsylvania Academy of Science Books.
1. Liu H., Ruebeck C.S. (2021) Externalities, Spillover Effects, and Implications for Payment-for-Performance Programs. In: Ahrweiler P., Neumann M. (eds)

Advances in Social Simulation. ESSA 2019. Springer Proceedings in Complexity. Springer, Cham. https://doi.org/10.1007/978-3-030-61503-1_32

- Contributed one term to the Dictionary of Ecological Economics, published by Edward Elgar Press.

WORKING PAPERS

1. “Are there welfare gains from spatially targeted policies in a heterogeneous landscape?”, with Gopalakrishnan, S..

WORK IN PROGRESS

1. “Effect of climate change information on food choices”, with Li, L. and Long, D.
2. “The effect of popularity and bird-friendly recommendations”, with Gomez-Minambres, J. and long, D.
3. “Encouraging under-confident students to major in Economics”, with Long, D.
4. “Using behavioral nudges to improve community garden participations”, with Li, L. and Long, D.
5. “Economic valuation of the Bushkill dam removal and ecological restoration”, with Rothenberger, M.
6. “Reverse Property Right: Agricultural Nutrient Runoff Credit Trading System”, with Zhang, W., and Irwin, E.
7. “Understanding community resilience through coupled human-environmental system”, with Kelleher, C., Ruebeck, C., and Zhou, Y.

INVITED TALKS

- University of Rhode Island, Mar. 2022 “Polarization in Environmental Donations - application to deforestation prevention donation”
- Penn State University, Nov. 2020. “Best Management Practices and Nutrient Reduction: An Integrated Economic-Hydrologic Model of Western Lake Erie Basin”
- Smith College, Oct. 2020. “Menu-Dependent Food Choices and Food Waste”
- Auburn University, Oct. 2020. “Menu-Dependent Food Choices and Food Waste”

CONFERENCE AND WORKSHOP (2017-)

(Based on peer reviewed selection of abstracts and paper drafts. Presented by Liu unless otherwise mentioned)

- Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 23-25, 2023, Washington, D.C.
- Eastern Economic Association (EEA) 2023 Annual Meetings, Feb. 24 - 26, New York, NY. Co-authors and I presented 4 papers.
- Third observance of the International Day of Awareness of Food Loss and Waste (IDAFWL), organized by Food and Agriculture Organization of the United Nations, September 29th, virtual event. Invited presentation.
- Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting, June 13 - 15, 2022, Mystic, CT. One paper and one poster.
- Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting, June 13 - 15, 2021, virtual meeting. Presented by Dede Long and Christopher Ruebeck for 2 papers

- Fourth Annual Social Cost of Water Pollution Workshop, April 21-23, 2021, virtual meeting.
- Eastern Economic Association (EEA) 2021 Annual Meetings, Feb. 25–28, 2021, virtual meeting.
- Southern Economic Association (SEA) 90th Annual Meetings, November 21-23, 2020, virtual meeting.
- Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting, June 15 - 16, 2020, virtual meeting.
- 2020 Integrated Assessment Models (IAM) on Social Cost of Water Pollution Workshop (canceled due to Covid-19).
- 2019 North American Economic Science Association (ESA) Meeting, Oct 11-13, Los Angeles, California.
- Heartland Environmental and Resource Economics Workshop at Illinois, September 28-29, 2019, Urbana-Champaign, IL.
- Social Simulation Conference, September 23-27, Mainz, Germany. Presented by Christopher Ruebeck.
- Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 21-23, 2019, Atlanta, GA. Presented by Wendong Zhang.
- Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting, June 9-12, 2019, in Portsmouth, NH. (3 papers)
- Integrated Assessment Models (IAM) on Social Cost of Water Pollution Workshop, April 3-5, 2019, Ithaca, NY.
- Southern Economic Association (SEA) 88th Annual Meetings, November 18-20, 2018, Washington, D.C.
- Agricultural and Applied Economics Association (AAEA), August 5th-7th, 2018, Washington, D.C. (2 papers)
- World Congress of Environmental and Resource Economists (WCERE), June 25-29, 2018, Gothenburg, Sweden. Presented by Elena Irwin.
- Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting and post-conference workshop, June 10 - 12, 2018, Philadelphia, PA. (2 papers)
- Integrated Assessment Models and the Social Costs of Water Pollution, Iowa State University, April 15-17, 2018, presented by Elena Irwin
- Heartland Environmental and Resource Economics Workshop at Illinois, September 30 – October 1st, 2017, Urbana-Champaign, IL
- Association of Environmental and Resource Economists (AERE) Annual Summer Conference, May 31 - June 2nd, 2017, Pittsburgh, PA
- Annual Meeting of the Midwest Economics Association (MEA), March 31 - April 2nd, 2017, Cincinnati, OH

GRANT

- Walter A. '59 and Catherine R. Scott Research Fellowship at Lafayette College
- Bergh Family Fellows Interdisciplinary Research Teams Program at Lafayette College

AWARDS	• Lafayette College James P. Crawford Award	2022-2023
	• ARER Best Article Award	2021
	• Lafayette College Athletics Faculty All-Star award	2018-19

TEACHING

Lafayette College

- ECON 202 Introduction to Environmental Economics
- ECON 251 Intermediate Microeconomics
- ECON 340: Environmental and Resource Economics
- ECON 408: Cost-benefit Analysis

Guest lectures

- EVST 100 Introduction to the Environment: A Systems Approach
- BIOL 272 Conservation Biology (twice)
- INDS 223 - Social Entrepreneurship
- CE 203 Envisioning a Sustainable World (three times)
- ECON 101 Principles of Economics
- Experience Lafayette College (XLC)
- AECON-NREE 265, University of Nebraska-Lincoln

Ohio State University

- AEDE4310 Environmental and Resource Economics

**RESEARCH
WITH STUDENTS**

Honor Theses

- Colby Owen '18 (Internal Department Reader). "Effects of Temperature on Rich and Poor State Economies"
- Jenna Ellis'19 (co-advisor with Andrea Armstrong from EVST). "The Contingent Valuation of Riparian Ecosystems along Recreational Trails"
- Kamal Bookawala'20 (Internal Department Reader). "The Impact of Product Recommendations on Consumer Choices: Evidence from the Field"
- Dylan Gooding'23 (Outside Department Reader). "Pipeline Politics: Analyzing The German-Russian Natural Gas Relationship"
- Paul Zdankiewicz'23 (Internal Department Reader). "Does Microcredit Improve Well-Being in Developing Countries?: Evidence from Ethiopia"

Independent Studies

- Reed Aichholz '21, Summer 2019. "Exploring Income Generating Development Projects for Back2Back Ministries in Mazatlán, Mexico and Jos, Nigeria"
- Zhiqi Zhou'21, Spring 2020. "An introduction to non-market valuation and its applications to the Lehigh Gap Restoration"
- Remy Oktay'24, Spring 2022. "The economic valuation of LaFarm"

EXCEL Scholars

- Xinyi Shen'19 winter interim and spring 2018
- Lauren Mathisen'19 summer 2018, AY 2018-2019
- Zixuan Jin'21 summer 2019, AY 2019-2020, winter interim
- Yucheng Zhu'20 and Kamal Bookawala'20 (as research assistants)
- Zhiqi Zhou'21 summer 2020, AY 2020-2021, winter interim

- Rachel Pitt'23 and Shuang Wu'22 summer 2021, AY 2021-2022, winter interim
- Yuqing Wu'23, summer 2022, AY 2022-2023, winter interim
- Areeb Atheeque'25, summer 2022, fall 2022, winter interim
- Paul Zdankiewicz'23, spring 2023
- Chase Barley'25, summer 2023
- Socheata Huot'25, summer 2023

Student Research Poster Sessions

- Lauren Mathisen'19
- Rachel Pitt'23 and Shuang Wu'22

**SERVICE AT
LAFAYETTE
COLLEGE**

- Women in Economics Club mentor 2023- now
- Environmental Science and Studies Advisory Committee 2022 - 2023
- Government and Law department search committee 2022
- Minerva Steering Committee 2021 - now
- Karl Stirner Arts Trail Lafayette Advisory Group 2021 - now
- Mathematics department search committee 2020
- Bushkill Creek project steering committee 2018 - now
- Served as a judge for the 14th Annual Multidisciplinary Environmental Poster Session (MDEPS) 2017

**PROFESSORIAL
ACTIVITIES**

- Women in Economics (WiE) Mentor 2022 - now
- AERE Scholars Program Advisory Board 2022 - now
- NAREA Career Advancement and Mentorship (CAM) Program Steering Committee co-chair 2022 - now
- on a AERE Graduate Student Engagement Panel 2021
- AERE Scholars Program 2021 - 2022
- AEA CSWEP CeMENT mentoring program 2021 - 2022
- Chinese Women in Economics mentor 2021 -2022
- AAEA annual conference abstract reviewer 2021, 2023
- NAREA annual conference abstract reviewer 2021, 2022
- Chair of NAREA Awards Committee 2020 - 2022
- PLACES workshop 2020
- NAREA Scholar's Circle Program 2020 - now
- Chair of NAREA communications committee 2019 - now
- Fellow of the NAREA Career Advancement and Mentorship (CAM) Program 2019-2021

**REFEREE
SERVICE**

Land Economics (2), Journal of the Agricultural and Applied Economics Association, Nature Communications, American Journal of Agricultural Economics, Journal of Environmental Planning and Management, Eastern Economic Journal(2), Water Resources Research, Agricultural and Resource Economics Review, Journal of Hydrology, Journal of Soil and Water Conservation, Environment and Development Economics

IN THE MEDIA

- With an interdisciplinary spirit, Lafayette supports Bushkill Creek's restoration
- Nonmarket valuation appraises LaFarm at almost \$500,000 annually
- Professors continue push to remove Bushkill Creek dams
- Menu designs may lead to food waste, new study reveals
- Video presented at UN FAO Third observance of the International Day of Awareness of Food Loss and Waste
- Faculty All-star award interview with student

**ACADEMIC
AFFILIATION**

Northeast Agricultural and Resource Economics Association (NAREA)
Association of Environmental and Resource Economists (AERE)
Agricultural and Applied Economics Association (AAEA)
Economic Science Association (ESA)
Southern Economic Association (SEA)

SKILLS

Proficient in STATA, R, ArcGIS, Mathematica, SAS, and Matlab, working knowledge of SWAT.