

Lusi Xie

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Research Fields

Environmental valuation, Experimental and behavioral economics, Applied econometrics

Appointments

Assistant Professor	2023 – Present
Department of Agricultural and Applied Economics, University of Georgia	
Postdoctoral Researcher	2021 – 2023
Center for Experimental and Applied Economics (CEAE), University of Delaware Center for Behavioral and Experimental Agri-Environmental Research (CBEAR)	
Research Assistant	2017 – 2020
Department of Resource Economics and Environmental Sociology, University of Alberta	
Survey Researcher	2015
University of California Cooperative Extension	
Research Assistant	2014 – 2015
Department of Agricultural and Resource Economics, University of California, Davis	

Education

Ph.D. in Agricultural and Resource Economics	2021
University of Alberta, Edmonton, Alberta, Canada	
M.S. in Agricultural and Resource Economics	2014
University of California, Davis, Davis, CA, USA	
B.A. in Economics	2013
Sun Yat-sen University, Guangzhou, Guangdong, China	

Peer-Reviewed Publications

- Nelson-Poteet, C. L. Xie, L.H. Palm-Forster, and K.D. Messer. 2024. "Dare to Experiment: The Synergistic Relationship between Experimental Economics and Undergraduate Research" *Applied Economics Teaching Resources*
- Xie, L., W. Adamowicz, and P. Lloyd-Smith. 2023. "Spatial and Temporal Responses to Incentives: An Application to Wildlife Disease Management" *Journal of Environmental Economics and Management* 117, 102752
- Xie, L., W. Adamowicz. 2023. "Temporal Reliability of Contingent Behavior Trip Data in Kuhn-Tucker Recreation Demand Models" *Land Economics* 99 (2), 182-202

Messer, K.D., D. Ganguly, and **L. Xie**. 2023. "Applications of Behavioral Economics to Climate Change" Commissioned paper prepared for the Committee on Future Directions for Applying Behavioral Economics to Policy. *National Academies of Sciences, Engineering, and Medicine*

Savchenko, O.M., L.H. Palm-Forster, **L. Xie**, R. Rahman, and K.D. Messer. 2023 "Encouraging Pro-environmental Behavior: Do Testimonials by Experts Work?" *PLoS ONE* 18(10): e0291612.

Palm-Forster, L.H., M. Taylor, S. Banerjee, and **L. Xie**. 2023 "Factors influencing enrollment of leased cropland in the Conservation Stewardship Program in Kansas" *Land Use Policy* 135: 106956

Xie, L., W. Adamowicz, M. Kecinski, and J.R. Fooks. 2022. "Using Economic Experiments to Assess the Validity of Stated Preference Contingent Behavior Responses" *Journal of Environmental Economics and Management* 114:102659

Pattison-Williams, J.K., **L. Xie**, W. Adamowicz, M. Pybus, and A. Hubbs. 2020. "An Empirical Analysis of Hunter Response to Chronic Wasting Disease in Alberta" *Human Dimensions of Wildlife* 25 (6), 575-589

Working Papers

Messer, K.D., D. Ganguly, and **L. Xie**. "Mitigating Impacts of Food Production and Consumption on Climate Change: Applications of Behavioral Economics" (Revisions requested, *Applied Economic Perspectives and Policy*)

Xie, L., W. Adamowicz, and M. Kecinski. "Incentives for Impure Public Good Contributions and Motivational Crowding: Evidence from Laboratory and Framed Field Experiments" (Under review)

Tong, Q. and **L. Xie**. "Achieving Synergies: Unveiling Farmers' Preferences and Economic-Environmental Trade-offs in Climate-Smart Agriculture Technology Adoption" (Under review)

Xie, L., K.D. Messer, L.H. Palm-Forster, M. Masters, and H. Michael. "Buying Back Irrigation Water for Endangered Species Protection: Evidence from a Laboratory Experiment and a High-Stakes Field Experiment with Farmers" (Under review)

Malakpour-Estalaki S., Y. Hu, **L. Xie**, K.D. Messer, L.H. Palm-Forster, and H. Michael. "Coupling Agent-Based Model and Water Quality Models to Simulate Farmer Best Management Practice Adoption for Mitigating Agricultural Non-Point Source Pollution"

Selected Works in Progress

"Dynamic Common Pool Resource Allocation in Coastal Aquifers: Examining the Impact of Heterogeneous Risk and Threshold Effects" (with L.H. Palm-Forster, C. Nelson-Poteet, D. Stockman, M. Hingst, and H. Michael)

"Contract Design in Water Conservation Payments for Ecosystem Services Programs: A Stochastic Payment Card Approach" (with K. Ghosh, G. Perez-Quesada, R.A. Hrozencik, M. Masters)

"Valuing Improved Climate Resilience: Evidence from Agricultural Land Leasing in China" (with Q. Tong)

"Empowering Citizen Science via the Optimization of Financial Incentive Schemes and Technical Assistance to Improve Conservation Outcomes in the Conservation Reserve Program" (with P. Feldman, K.D. Messer, and R. Iovanna)

"Motives for Giving in Impure Public Good Markets: Evidence from Lab Experiments" (with D. Jeong and L.H. Palm-Forster)

Research Grants

USDA - Farm Service Agency. "Empowering Citizen Science via the Optimization of Financial Incentive Schemes and Technical Assistance to Improve Conservation Outcomes in the Conservation Reserve Program." \$500,000. P.Feldman (PI), K.D.Messer, L.Xie (Co-PIs). 2023-2026.

Georgia Department of Natural Resources Environmental Protection Division. "Agricultural Water Demand Validation Assessment." \$103,402.13. J.Mullen (PI), L.Xie (Co-PI). 2023-2025.

Teaching Experience

Department of Agricultural and Applied Economics, University of Georgia

Co-instructor

Climate Change Economics and Policy (undergraduate) 2024 – Present

Instructor

Quantitative Techniques in Agricultural Economics (graduate) 2023 – Present

Co-instructor

Survey Design and Experimental Economics (PhD, 13 students) 2024

Department of Applied Economics and Statistics, University of Delaware

Co-instructor

Experimental Economics (graduate, 7 students) 2022 – 2023

Power Analysis Workshop (graduate, 7 students) 2021

Guest Lecturer

Experimental Economics (graduate, 7 students) 2021 – 2022

Conducting Applied Economics Research (graduate, 7 students) 2021 – 2022

Teaching Assistant

Experimental Economics (graduate, 7 students) 2021

Department of Resource Economics and Environmental Sociology, University of Alberta

Guest Lecturer

Food Market Analysis (undergraduate, 40 students) 2018

Teaching Assistant

Economic Valuation of Ecosystem Services (graduate, 10 students, overall rating: 4.8/5) 2019 – 2020

Current Economic Issues for Agriculture and Food (undergraduate, 110 students) 2017

Statistical Analysis (undergraduate, 40 students) 2016

Department of Agricultural and Resource Economics, University of California, Davis

Teaching Assistant

Personal Finance (undergraduate, 130 students) 2013

Student Advising

Sushant Kafle, M.S., University of Georgia (*Advisor*), expected 2025
Harikrishnan Kumar, Ph.D., University of Georgia (*Committee member*)
Kuhelika Ghosh, Ph.D., University of Georgia (*Committee member*)
Madison Czerniawski, M.S., University of Delaware (*Committee member*), 2023
Caroline Johnson, M.S., University of Delaware (*Committee member*), 2023
Carl Nelson-Poteet, M.S., University of Delaware (*Mentor*)
Kayla McKinley, Undergraduate Intern, Delaware State University (*Mentor*)

Presentations and Invited Talks

*presented by collaborators

W5133 Workshop, Burlington, USA (scheduled); World Bank Land Conference, Washington D.C., USA (scheduled); Agricultural & Applied Economics Association Annual Meeting, Denver, USA (scheduled) 2025

Northeastern Agricultural and Resource Economics Association Meeting, Rehoboth Beach, USA; Appalachian Experimental and Environmental Economics Workshop, Boone, USA*; USDA Economic Research Service Behavioral and Experimental Working Group, Virtual* 2024

Southeastern Workshop on Energy & Environmental Economics and Policy, Atlanta, USA; CAER-IFPRI Annual International Conference, Nanjing, China*; Agricultural & Applied Economics Association Annual Meeting, Washington D.C., USA; Association of Environmental and Resource Economists Conference, Portland, USA; Australasian Agricultural and Resource Economics Society Annual Conference; University of Rhode Island; University of Oklahoma; University of Florida; University of Georgia 2023

University of Manitoba; University of Delaware; University of Minnesota*; Canadian Resource and Environmental Economics Association Annual Conference, Saskatoon, Canada; Project WiCCED Fall Seminar, Webinar; Agricultural & Applied Economics Association Annual Meeting, Anaheim, USA 2022

European Association of Environmental and Resource Economists Conference, Virtual; CREEA | ACERE 7th Canadian PhD and Early Career Workshop in Environmental and Resource Economics, Virtual; Association of Environmental and Resource Economists Conference, Virtual 2021

University of Alberta; University of Delaware; Woods Hole Oceanographic Institution, Woods Hole, USA 2020

University of Alberta; Canadian Agricultural Economics Society Annual Meeting, Ottawa, Canada; European Association of Environmental and Resource Economists Conference, Manchester, UK; Association of Environmental and Resource Economists Conference, Lake Tahoe, USA; PRION 2019, Edmonton, Canada 2019

Heartland Environmental and Resource Economics Workshop at Illinois, Urbana-Champaign, USA; Agricultural & Applied Economics Association Annual Meeting, Washington D.C., USA; Western Agricultural Economics Association Conference, Anchorage, USA; Land Use 2018, Edmonton, Canada 2018

Honors and Awards

Canadian Agricultural Economics Society Outstanding Ph.D. Thesis Award	2023
University of Alberta 2021 Faculty of Agricultural, Life & Environmental Sciences Graduate Student PhD Thesis Award (CAD 500)	2022
European Association of Environmental and Resource Economists 2021 Annual Conference Participation Grants	2021
University of Alberta Graduate Students Teaching Awards	2020
Alberta Graduate Excellence Scholarship (CAD 12,000)	2020
Smart Prosperity Institute Travel Award (CAD 1,500)	2019
University of Alberta GSA Academic Travel Grant (CAD 500)	2019
J Gordin Kaplan Graduate Student Award (CAD 1,500)	2019
Government Network of the Rural Policy Learning Commons Policy Brief Award (CAD 1,500)	2018
University of Alberta Doctoral Recruitment Scholarship (CAD 30,000)	2015

Professional Activities

Manuscript Referee: Journal of Environmental Economics and Management, Environmental and Resource Economics(x2), Land Economics, Ecological Economics, Journal of Choice Modeling, Australian Journal of Agricultural and Resource Economics, Journal of Agricultural and Resource Economics, Environmental Economics and Policy Studies, Journal of Environmental Economics and Policy, Applied Economics Teaching Resources, Resource and Energy Economics, Journal of Behavioral and Experimental Economics

Conferences: AAEA Annual Meeting 2019, 2021, 2024 Abstract Reviewer; WAEA Annual Meeting 2024 Topic Leader; CAES Annual Meeting 2023, 2024 Abstract Reviewer

Member of: American Economic Association, Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists, Agricultural and Applied Economics Association, Northeastern Agricultural and Resource Economics Association, Canadian Resource and Environmental Economics Association, Canadian Agricultural Economics Society

Skills

Software: R, Matlab, Stata, ArcGIS, Limdep, Python, L^AT_EX, SPSS, GAMS

Languages: Mandarin (Native), English (Fluent), Spanish (Basic), German (Basic)

Last updated: January 2, 2025