

Linghui Wu

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REFERENCES

Madhu Khanna

khanna1@illinois.edu

Alvin H. Baum Family Chair & Director, Institute for Sustainability, Energy and Environment
Distinguished Professor in Environmental Economics, Department of Agricultural and Consumer Economics
Co-Director, Center for Economics of Sustainability

Shadi Atallah

satallah@illinois.edu

Associate Professor of Agricultural and Consumer Economics
University of Illinois Urbana-Champaign

Ju-Chin Huang

ju-chin.huang@unh.edu

Professor of Economics
University of New Hampshire

EDUCATION

University of New Hampshire, Paul College of Business and Economics, Durham, NH

Aug 2017 – Aug 2021

- PhD in Economics
- Dissertation Title: Economics of Pest Control and Pollination Conservation: Perspectives from a Bioeconomic Model and a Choice Experiment
- Committee: Dr. Shadi Atallah (Co-Chair), Dr. Ju-chin Huang (Co-Chair), Dr. Dana Bauer, Dr. Robert Mohr, Dr. Stephanie Brockmann
- Research Fields: Agricultural and Natural Resource Economics; Bioeconomics; Ecosystem Services; Sustainable Agriculture

Cornell University, Dyson School of Applied Economics and Management, Ithaca, NY

Aug 2015 – Aug 2017

- MSc in Applied Economics and Management

University of Maryland, Department of Agricultural and Resource Economics, College Park, MD

Aug 2012 – May 2015

- BSc in Agricultural and Resource Economics, Economics, Statistics

China Agricultural University, Department of Agricultural and Resource Economics, Beijing, China, *July 2010—May 2012*

- Bachelor in Agricultural and Resource Economics

PUBLICATIONS

Khanna, Madhu, Shady S. Atallah, Saurajyoti Kar, Bijay Sharma, Linghui Wu, Chengzheng Yu, Girish Chowdhary, Chinmay Soman, and Kaiyu Guan. 2022. "Digital Transformation for a Sustainable Agriculture in the United States: Opportunities and Challenges." *Agricultural Economics*, July, agec.12733. <https://doi.org/10.1111/agec.12733>.

WORKING PAPERS

Na Zhang, Madhu Khanna, Shadi Atallah, Linghui Wu, Qu Zhou, Kaiyu Guan, "Drivers of Cover Crop Adoption in the US Midwest: Peer Effects and Land Ownership" <https://ageconsearch.umn.edu/record/335939>

Linghui Wu, Madhu Khanna and Shadi Atallah, "Drivers and Barriers to Adopting Cover Cropping Technology among Midwestern Farmers" <https://ageconsearch.umn.edu/record/335568>

Linghui Wu, Shadi Atallah, Dana Bauer and Jessica Leahy, "A Choice Experiment of Pest and Pollinator Management"

Linghui Wu, Shadi Atallah, and Christian Krupke, "A Farm-level Bioeconomic Model of Pest and Pollinator Dynamics and Management" <https://ageconsearch.umn.edu/record/291110>

WORK IN PROGRESS

Madhu Khanna, Shadi Atallah, Hugo Storm, Thomas Heckeley, Linghui Wu, "Economics of Adoption of Artificial Intelligence-Based Digital Technologies for a Sustainable Agriculture"

Linghui Wu, Madhu Khanna and Shadi Atallah, "Drivers and Barriers to Adopting Weeding Robot among Midwestern Farmers"

RESEARCH EXPERIENCES

<i>PostDoc Research Fellow, University of Illinois Urbana Champaign</i>	<i>Sept 2021-Feb 2024 (Expect)</i>
<ul style="list-style-type: none"> • AIFARMS Project 1: “Economic Incentives for Robotic for Cover Crop Adoption in Row Crop Agriculture” • AIFARMS Project 2: “Economic Incentives for Robotic for Weed Control” 	
<i>Research Assistant, University of New Hampshire</i>	<i>Sept 2019-Dec 2019</i>
Supervisor: Prof. Ju-chin Huang, Economics Dept., University of New Hampshire, Durham.	
<ul style="list-style-type: none"> • USDA NIFA project: “The Economics and Spatial Ecology of Managing Invasive Plants in Forest with Heterogeneous Landownerships” 	
<i>Research Assistant, Cornell University</i>	<i>Feb 2016 - June 2016</i>
Director: Michelle, Roper Center for Public Opinion Research., Cornell University, Ithaca.	
<i>Research Assistant, University of Maryland</i>	<i>Oct 2014 - May 2015</i>
Supervisor: Prof. Andrew Sweeting, ECON Dept., University of Maryland, College Park	
<i>Research Assistant, University of Maryland</i>	<i>June 2014 - Aug 2014</i>
Supervisor: Prof. Eric Slud, MATH Dept., University of Maryland, College Park	

OTHER EXPERIENCE

Journal Article Referee

- American Journal of Agricultural Economics
- European Review of Agricultural Economics

<i>Teaching Assistant, Natural Resources and the Environment Dept, University of New Hampshire, NH, the United States</i>	<i>Jan 2020 – May 2020</i>
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CONFERENCE PRESENTATIONS

Paper Presentation (2): “Drivers and barriers to adopting cover cropping technology among midwestern farmers”: program in Environmental and Resource Economics, Urbana, 2023; Agricultural and Applied Economics Annual Conference, Washington DC, 2023

Paper Presentation (3): “Farmer Trade-offs Between Pest Control and Pollinator Health: Evidence from a Choice Experiment with Midwestern Farmers”, Northeastern Agricultural and Resource Economics, Virtual Meeting, 2020; Eastern Economics Association Annual Conference, New York, 2021; 22nd International Biodiversity and Economics for Conservation Conference (BIOECON XXII), Wyoming, 2021; program in Environmental and Resource Economics, Urbana, 2021

Paper Presentations (6): “The Bioeconomcis of Integrated and Pest and Pollinator Management: The Case of Neonicotinoids Pesticides”, Southern Economics Association Annual Conference, Fort Lauderdale., 2019; Heartland Environmental and Natural Resource Economics Workshop, UIUC, 2019; Agricultural and Applied Economics Annual Conference, Atlanta, 2019; Northeastern Agricultural and Resource Economics, Portsmouth, 2019; Southern Economics Association Annual Conference, Washington D.C., 2018; Northeastern Agricultural and Resource Economics, Philadelphia, 2018

COMPUTER SKILLS

Proficient in AnyLogic (Java-based platform), Ngene, NLOGIT, LaTeX, MATLAB, Stata, R, SAS, HTML/CSS/Javascript,