

Patrick S. Ward, Ph.D.

Associate Professor

[Food and Resource Economics Department](#)

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Employment:

August 2022 – present	Associate Professor, University of Florida, Food and Resource Economics Department
January 2022 – July 2022	Associate Professor of Environmental Economics and Policy, Duke Kunshan University
August 2022 – July 2022	Director of Graduate Studies, Master of Environmental Policy Program, Duke Kunshan University
August 2021 – July 2022	Acting Director, Master of Environment Policy Program, Duke Kunshan University
August 2018 – December 2021	Assistant Professor of Environmental Economics and Policy, Duke Kunshan University
April 2014 – June 2018	Research Fellow, Environment and Production Technology Division, International Food Policy Research Institute
April 2012 – April 2014	Associate Research Fellow, Environment and Production Technology Division, International Food Policy Research Institute
October 2011 – March 2012	Postdoctoral Visiting Researcher, International Center for Climate Governance

Professional Affiliations:

Faculty affiliate, UF Water Institute	2022 – present
Faculty affiliate, UF Tropical Conservation and Development Program	2024 – present
Faculty affiliate, UF Global Food Security Institute	2024 – present
Non-resident Fellow, Innovation and Policy Scaling Unit	2024–2026
Non-resident Fellow, Development Strategy and Governance Division	2021–2022
Non-resident Fellow, Environment and Production Technology Division	2020
Affiliate, Duke Kunshan University Environmental Research Center	2018–2022

Education:

Ph.D. Agricultural Economics, Purdue University (2011).

M.A. Economics, Indiana University (2007).

B.S. Financial Counseling and Planning, Purdue University (2002).

Research:

Publications

Refereed journals

44. **Ward, Patrick S.**, Muzna Alvi, Simrin Makhija, and David J. Spielman. "Cooperation and the provision of local public goods in remote rural communities," accepted for publication at *Environment and Development Economics*.
43. Gars, Jared, Ram Fishman, Avinash Kishore, Yoav Rothler, and **Patrick S. Ward**. "[Confidence and information usage: Evidence from soil testing in Bihar, India](#)," forthcoming in *American Journal of Agricultural Economics*.
42. Timu, Anne G., Apurba Shee, **Patrick S. Ward**, and Liangzhi You (2025). "[Evaluating the gendered credit constraints and uptake of an insurance-linked credit product](#)," *Journal of Development Studies* 61(3): 336–356.
41. Tian, Junyan and **Patrick S. Ward** (2024). "[Subjective well-being, willingness to accept COVID policies, and vulnerability: Evidence from China](#)," *The Chinese Economy* 57(6): 449–471.
40. Gulati, Kajal, **Patrick S. Ward**, Travis J. Lybbert, and David J. Spielman (2024). "[Intrahousehold preference heterogeneity and demand for labor-saving technology: The case of mechanical rice transplanters in India](#)," *American Journal of Agricultural Economics*, 106(2): 684–711
39. Alvi, Muzna, **Patrick S. Ward**, Simrin Makhija, and David J. Spielman (2024). "[Do grass-roots interventions relax behavioral constraints to the adoption of nutrition-sensitive food production systems?](#)" *Australian Journal of Agricultural and Resource Economics* 68(1): 101–124.
38. Xu, Yingchen and **Patrick S. Ward** (2023). "[Environmental attitudes and consumer preferences for environmentally-friendly beverage packaging: The role of information and identity-labeling in influencing consumer behavior](#)," *Frontiers in Agricultural Science and Engineering* 10(1): 95–108.
37. Wu, Tianqi, **Patrick S. Ward**, and Binbin Li (2022). "[Experimental evidence on cooperation coordination in forest and endangered species conservation in China](#)," *Ecology and Society* 27(4): 40.
36. Ortega, David L., Wen Lin, and **Patrick S. Ward** (2022). "[Consumer acceptance of gene edited food products in China](#)," *Food Quality and Preference* 95: 104374.
35. **Ward, Patrick S.**, Lawrence Mapemba, and Andrew R. Bell (2021). "[Smart subsidies for sustainable soils: Evidence from a randomized controlled trial in southern Malawi](#)," *Journal of Environmental Economics and Management* 110: 102556.
34. Bell, Andrew R., Kathryn Grace, Ehsanul Haque Tamal, Mari Alexandria Roberts, Alex Morgan, Mary Killilea, and **Patrick S. Ward** (2021). "[How high frequency food diaries can transform understanding of food security](#)," *Environmental Research Letters* 16(4): 041002.

33. Ghosh, Ranjan Kumar, Shweta Gupta, Vartika Singh, and **Patrick S. Ward** (2021). "[Demand for crop insurance in developing countries: Fresh evidence from India](#)," *Journal of Agricultural Economics* 72(1): 293–320; [Corresponding author]
32. **Ward, Patrick S.**, Shweta Gupta, Vartika Singh, David L. Ortega, and Shriniwas Gautam (2020). "[What is the intrinsic value of fertilizer? Experimental value elicitation and decomposition in the hill and terai regions of Nepal](#)," *Food Policy* 20: 101809.
31. Bell, Andrew R., **Patrick S. Ward**, Muhammad Ashfaq, and Stephen Davies (2020). "[Valuation and aspirations for drip irrigation in Punjab, Pakistan](#)," *Journal of Water Resources Planning and Management* 146(6): 04020035; [Corresponding author].
30. **Ward, Patrick S.**, Simrin Makhija, and David J. Spielman (2020). "[Drought-tolerant rice, weather index insurance, and comprehensive risk management for smallholders: Evidence from a multi-year field experiment in India](#)," *Australian Journal of Agricultural and Resource Economics* 64(2): 421–454.
29. **Ward, Patrick S.**, David L. Ortega, David J. Spielman, Neha Kumar, Sumedha Minocha (2020). "[Demand for complementary financial and technological tools for managing drought risk](#)," *Economic Development and Cultural Change*, 68(2): 607-653.
28. Gars, Jared, and **Patrick S. Ward** (2019). "[Can differences in individual learning explain patterns of technology adoption? Evidence on heterogeneous learning patterns and hybrid rice adoption in Bihar, India](#)," *World Development* 115:178–189; [Corresponding author].
27. Hill, Ruth Vargas, Neha Kumar, Simrin Makhija, Nicholas Magnan, Francesca de Nicola, David J. Spielman, and **Patrick S. Ward** (2019). "[Ex ante and ex post effects of hybrid index insurance in Bangladesh](#)," *Journal of Development Economics* 136:1–17; [Corresponding author].
26. Ortega, David L., **Patrick S. Ward**, and Vincenzina Caputo (2019). "[Evaluating producer preferences and information processing strategies for drought risk management tools in Bangladesh](#)," *World Development Perspectives* 15: 100132.
25. Tamal, Md. Ehsanul Haque, Andrew R. Bell, Mary Killilea, and **Patrick S. Ward** (2019). "[Social dynamics of short term variability in key measures of household and community wellbeing in Bangladesh](#)," *Nature: Scientific Data* 6: 125.
24. Bell, Andrew R., **Patrick S. Ward**, Mary E. Killilea, and Md. Ehsanul Haque Tamal (2019). "[Assessing recall bias and measurement error in high-frequency social data collection for human-environment research](#)," *Population and Environment* 40(3): 325–345.
23. Arora, Anchal, Sangeeta Bansal, and **Patrick S. Ward** (2019). "[Do farmers value rice varieties tolerant to droughts and floods? Evidence from a discrete choice experiment in Odisha, India](#)," *Water Resources and Economics* 25: 27–41.
22. Bell, Andrew, Tim Benton, Klaus Droppelmann, Lawrence Mapemba, Oliver Pierson, and **Patrick S. Ward** (2018). "[Transformative change through Payments for Ecosystem Services \(PES\): A conceptual framework and application to conservation agriculture in Malawi](#)," *Global Sustainability* 1 (e4): 1–8.

21. Bell, Andrew R., **Patrick S. Ward**, Lawrence Mapemba, Zephaniah Nyirenda, Wupe Msukwa, and Edwin Menamu (2018). "[Smart Subsidies for Catchment Conservation in Malawi](#)," *Nature: Scientific Data* 5, article 180113.
20. **Ward, Patrick S.** and Simrin Makhija (2018). "[New modalities for managing drought risk in rainfed agriculture: Evidence from a discrete choice experiment in Odisha, India](#)," *World Development* 107:163–175.
19. Bell, Andrew R., Jennifer Zavaleta Cheek, Frazer Mataya, and **Patrick S. Ward** (2018). "[Do as they did: peer effects explain adoption of conservation agriculture in Malawi](#)," *Water* 10(51):1-16.
18. **Ward, Patrick S.**, Andrew R. Bell, Klaus Droppelmann, and Tim Benton (2018). "[Early adoption of conservation agriculture practices: Understanding partial compliance in programs with multiple adoption decisions](#)," *Land Use Policy* 70: 27–37.
17. Spielman, David J., **Patrick S. Ward**, Deepthi E. Kolady, and Harun-Ar-Rashid (2017). "[Public incentives, private investment, and outlooks for hybrid rice in Bangladesh and India](#)," *Applied Economics and Policy Perspectives* 39(1): 154–176.
16. **Ward, Patrick S.** and Gerald E. Shively (2017). "[Disaster risk, social vulnerability and economic development](#)," *Disasters* 41(2): 324–351.
15. Bell, Andrew Reid, **Patrick S. Ward**, Mary E. Killilea, and Md. Ehsanul Haque Tamal (2016). "[Real-time social data collection in rural Bangladesh via a 'microtasks for micropayment' platform on Android smartphones](#)," *PLoS ONE* 11(11): e0165924.
14. **Ward, Patrick S.** (2016). "[Transient poverty, poverty dynamics and vulnerability to poverty: An empirical analysis using a balanced panel from rural China](#)," *World Development* 78: 541–553.
13. **Ward, Patrick S.**, Andrew R. Bell, Gregory M. Parkhurst, Klaus Droppelmann, and Lawrence Mapemba (2016). "[Heterogeneous preferences and the effects of incentives in promoting conservation agriculture in Malawi](#)," *Agriculture, Ecosystems & Environment* 222: 67–79.
12. Ortega, David L. and **Patrick S. Ward** (2016). "[Information processing strategies and the effects of framing in developing country choice experiments: Results from rice farmers in India](#)," *Agricultural Economics* 47: 493–504.
11. Bell, Andrew R., **Patrick S. Ward**, and Md. Azeem Ali Shah (2016). "[Increased water charges improve efficiency and equity in an irrigation system](#)," *Ecology and Society* 21(3): 23.
10. **Ward, Patrick S.** and Vartika Singh (2015). "[Using field experiments to elicit risk and ambiguity preferences: Behavioral factors and the adoption of new agricultural technologies](#)," *Journal of Development Studies* 51(6): 707–724.
9. **Ward, Patrick S.** and Valerien O. Pede (2015). "[Capturing social network effects in technology adoption: The spatial diffusion of hybrid rice in Bangladesh](#)," *Australian Journal of Agricultural and Resource Economics* 59(2): 225–241.
8. **Ward, Patrick S.** and Gerald E. Shively (2015). "[Migration and land rental as responses to income shocks in rural China](#)," *Pacific Economic Review*, 20(4): 511–543.

7. Bell, Andrew Reid, M. Azeem Ali Shah and **Patrick S. Ward** (2014). "Reimagining cost recovery in Pakistan's irrigation system through willingness-to-pay estimates for irrigation water from a discrete choice experiment," *Water Resources Research* 50(8): 6679–6695.
6. **Ward, Patrick S.**, David L. Ortega, David J. Spielman, and Vartika Singh (2014). "Heterogeneous preferences for drought-tolerant rice: Evidence from Bihar, India," *World Development* 64: 125–139.
5. **Ward, Patrick** (2014). "Measuring the level and inequality of wealth: An application to China," *Review of Income and Wealth* 60(4): 613–635.
4. **Ward, Patrick S.**, Raymond J.G.M. Florax and Alfonso Flores-Lagunes (2014). "Climate change and agricultural productivity in Sub-Saharan Africa: A spatial sample selection model," *European Review of Agricultural Economics* 41(2): 199–226.
3. Spielman, David J., Deepthi E. Kolady and **Patrick S. Ward** (2013). "The prospects for hybrid rice in India," *Food Security* 5(5): 651–665.
2. **Ward, Patrick** (2013). "On the use of tradable development rights for reducing flood risk," *Land Use Policy* 31: 576–583.
1. **Ward, Patrick** and Gerald Shively (2012). "Vulnerability, income growth and climate change," *World Development* 40(5): 916–927.

Book chapters

1. Spielman, David J., **Patrick S. Ward**, Deepthi E. Kolady, and Harun-Ar-Rashid (2021). "Challenges and opportunities for hybrid rice in Bangladesh." Ch. 2 in Ahmed, Akhter U., Nurul Islam, and Mustafa K. Mujeri (eds.), *Securing food for all in Bangladesh*. Dhaka, Bangladesh: University Press Limited.

Under review at refereed journals

1. Ndegwa, Michael K., Apurba Shee, **Patrick S. Ward**, Yanyan Liu, Calum Turvey, and Liangzhi You. "The impact of risk contingent credit (RCC) and traditional credit on smallholders' agricultural investment, productivity, and welfare: Experimental evidence from a randomized control trial in rural Kenya," *revise and resubmit*.
2. Kramer, Berber, Subhransu Pattnaik, and **Patrick S. Ward**. "Gender, demand for agricultural credit and technology: Survey evidence from Odisha," *under review*.
3. Xu, Yingchen, Gui Xian [Suzanne] Ong, Han Ding, and **Patrick S. Ward**. "Detour for better health: Estimating the value of clean air through walking route choice experiment," *under review*.
4. Okumu, Bosco, Srinivasulu Rajendran, Julius Juma, Mywish Maredia, **Patrick S. Ward**, Marcel Gatto, Jean Claude Nshimiyimana, Fleur Kilwinger, Sindi Kirimi, and David J. Spielman. "Farmers' demand for quality and nutritionally enhanced sweet potato planting material: Evidence from experimental auctions in Rwanda," *under review*.
5. Ndegwa, Michael K., Apurba Shee, **Patrick S. Ward**, and Liangzhi You. "Rural credit, food security, and resilience: An empirical evaluation from Kenya," *under review*.

6. Shiva, Jayanth Sai, Srinivasulu Rajendran, and **Patrick S. Ward**. "Impact of text messages in encouraging farmers to adopt and use mobile phone application for farming decisions," *submitted*

Manuscripts under preparation for submission to refereed journals

1. Kramer, Berber, Subhransu Pattnaik, **Patrick S. Ward**, and Yingchen Xu. "Impacts of an innovative credit-insurance bundle for landless farmers: Evidence from a randomized trial in Odisha, India."
2. Adhikari, Roshan, Berber Kramer, **Patrick S. Ward**, Timothy Foster, Varun Sharma, Pushkar Gaur, and Subhransu Pattnaik. "A gender-responsive approach to designing agricultural risk management bundles."
3. Xu, Yingchen, **Patrick S. Ward**, and David J. Spielman. "Impacts of complementary technological and financial solutions for managing production risk."
4. Xu, Yingchen, **Patrick S. Ward**, Anne Timu, Apurba Shee, Michael K. Ndegwa, and Liangzhi You. "Dynamic uptake of risk-contingent credit and impacts on smallholder agriculture: Evidence from a multi-year experiment in Kenya."
5. Kramer, Berber, Subhransu Pattnaik, **Patrick S. Ward**, and Yingchen Xu. "Bundling crop insurance with digital credit to boost agricultural investments: Findings from a randomized trial in two states in India."

Conference, Seminar, and Webinar Presentations (2021 - present):

1. "Impacts of an innovative credit + insurance bundle for marginalized farmers: Evidence from a cluster randomized trial in Odisha, India." Agricultural & Applied Economics Association Annual Meeting (Denver, CO, USA), July 2025 (Selected presentation).
2. "Impacts of an innovative credit + insurance bundle for marginalized farmers: Evidence from a cluster randomized trial in Odisha, India." International Rice Research Institute (IRRI) Sustainable Impact through Rice-based Systems (SIRS) Department Seminar, July 2025 (Invited presentation).
3. "Impacts of an innovative credit-insurance bundle for landless farmers: Evidence from a cluster randomized trial in Odisha, India." World Bank Land Conference, May 2024 (Selected presentation).
4. "Impacts of an innovative credit-insurance bundle for landless farmers: Evidence from a cluster randomized trial in Odisha, India." Southeast Exchange of Development Studies (SEEDS) Conference, Georgia Tech University, April 2024 (Selected presentation).
5. "Impacts of an innovative credit-insurance bundle for landless farmers: Evidence from a cluster randomized trial in Odisha, India." University of Georgia, Agricultural and Applied Economics Department Seminar, February 2024 (Invited presentation; online).

6. "Encouraging women's use of agriculture-related financial instruments." 2024 Allied Social Sciences Association (ASSA) Annual Meeting, San Antonio, TX, USA, January 2024 (Organized session; chair/discussant).
7. "Impacts of a digital credit-insurance bundle for landless farmers: Evidence from a cluster randomized trial in Odisha, India." Innovations for Poverty Action (IPA) - Global Poverty Research Laboratory (GPRL) Annual researcher gathering, Northwestern University, Evanston, IL, USA, October 2023 (Selected presentation).
8. "Smart subsidies for sustainable soils: Evidence from a randomized controlled trial in southern Malawi." National University of Singapore (Singapore), February 2022 (Invited presentation; online).
9. "Value addition in rural finance to unlock transformative agricultural development." 2021 International Conference on Food Economics and Agricultural Sustainability (Huazhong Agricultural University College of Economics and Management, Wuhan, Hubei, China), December 2021 (Invited presentation; online).
10. "Confidence and information usage: Evidence from soil testing in India." Indian Institute of Technology – Tirupati (Tirupati, Andhra Pradesh, India), March 2021 (Invited presentation; online).

Teaching:

University of Florida

1. AEB 3510: Quantitative Methods in Food and Resource Economics (*undergraduate*)
Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025
2. AEB 5188: Economics of Agribusiness Decisions (*masters*)
Fall 2023, Fall 2024, Fall 2025
3. AEB 7571: Econometric Methods I (*PhD*)
Spring 2023, Spring 2024, Spring 2025

Duke Kunshan University

1. PUBPOL 101: Introduction to Policy Analysis (*undergraduate*)
Spring 2021
2. PUBPOL 631K: Research Methods (*masters*)
Fall 2019
3. PUBPOL 871K: Environmental Policy Analysis (*masters*)
Fall 2018, Fall 2019, Fall 2021
4. PUBPOL 872K: Environmental Economics and Policy Practicum (*masters*)
Spring 2019, Spring 2020, Spring 2021, Spring 2022
5. ENVIRON 806K: Environmental Economics II (*masters*)
Spring 2020, Spring 2021, Spring 2022

Purdue University

1. AGECE 217: Economics (*undergraduate*)
Summer 2010

Short courses and trainings

1. Workshop on impact evaluation and causal inference
International Rice Research Institute (IRRI), Los Baños, Philippines, *July 2025*
2. Introduction to value, willingness-to-pay, and experimental auctions
International Potato Center (CIP), Nairobi, Kenya, *March 2019*
3. Introduction to methods for quantifying farmer preferences and incentives for investment in soil fertility management
International Maize and Wheat Improvement Center (CIMMYT) Nepal Seed and Fertilizer Project (NSAF), Godavari, Nepal, *August 2017*
4. Introduction to the study of choices, choice modeling, and analysis of choice data
National Smallholder Farmers' Association of Malawi (NASFAM), Blantyre, Malawi, *May 2016*
Lilongwe University of Agriculture and Natural Resources (LUANAR), Lilongwe, Malawi, *May 2016*

Undergraduate student supervision:

Duke Kunshan University:

Signature Work

1. **Leonardo Barbàra**: "Nuclear power in Italy and France: A risk and economic analysis of energy policy" (2021-2022)

University of Florida:

Research Internship

1. **Valeria Barron Vilar**: "Air pollution in Bolivia" (2024)

Graduate student supervision:

University of Florida:

Doctoral Students

1. **Yingchen Xu** (2022–present; chair)
2. **Suraj Gurung** (2025–present; committee member)

Duke Kunshan University:*Master of Environmental Policy (MEP)*

1. **Xiaolin Xie:** “The impact of corporate social responsibility on financial performance in China” (2018–2019; supervisor)
2. **Tianqi Wu:** “Voluntary Contribution to public goods: Evidence from herdsman’s contribution preference to ecological protection in Nature Reserves in China” (2019–2020; supervisor)
3. **Songjia Zhang:** “Predicting heavy metal concentrations in soils through remote sensing and artificial neural networks” (2019–2020; supervisor)
4. **Xin (James) Li:** “Strategic suggestions to better conserve salmon population in the Mijiang Salmon Aquatic Germplasm Resources Conservation Zone” (2020–2021; supervisor)
5. **Serge Bakire and Xudong Ren:** “Impact evaluation of solar refrigerators on immunization programs in Bukavu city of the Democratic Republic of Congo” (2021–2022; supervisor)
6. **Upeksha Hettiarachchi:** “Estimating the economic value of the Vallée de Mai Nature Reserve, Seychelles (2021–2022; supervisor)
7. **Ziyue Wang:** “Household environmental conditions and early childhood development: Effects of sanitation on children’s health and school attendance in rural Bangladesh” (2021–2022; supervisor)
8. **Yingchen Xu:** “Do consumers’ environmental attitudes affect their preferences for product packaging?” (2021–2022; supervisor)

Young Professional Mentoring:

Agricultural and Applied Economics Association Mentorship Program:

1. **Elena Krasovskaia,** PhD Student, Cornell University (2025–present)
2. **Bingyan Dai,** PhD Student, Cornell University (2025–present)
3. **Tianyuan Wang,** PhD Student, University of Georgia (2025–present)
4. **Oluwatosin Aderanti,** PhD, University of Reading (2025–present)

Professional Activities:

Service*Editorial Service:*

Agricultural Economics: Associate editor (2025 – present)

Environment and Development Economics: Associate editor (2022 – present)

China Economic Review: Associate editor (2019 – present)

Review Service:

Agricultural Economics, Agricultural and Resource Economics Review, American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, China Economic Review, Climatic Change, Ecological Economics, Environment and Development Economics, European Review of Agricultural Economics, Food Policy, Food Security, HarvestPlus Working Paper Series, Journal of Agricultural Economics, Journal of Development Studies, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Journal of Environmental & Policy Planning, Journal of South Asian Development, Land Economics, Land Use Policy, Natural Resources Forum, Population and Environment, Resource and Energy Economics, Review of Income and Wealth, Sustainability, and World Development.

Agricultural and Applied Economics Association Annual Meetings (2015, 2016, 2017, 2018, 2019, 2020).

International Association of Agricultural Economics Triennial Meetings (2015, 2018).

Institutional service

University of Florida:

Food and Resource Economics Department Steering Committee, Member (2024–present)

Food and Resource Economics Department Graduate Admissions Committee, Member (2022–present)

Food and Resource Economics Department Curriculum Committee, Member (2022–2025)

Tropical Conservation and Development Field Research Grant Selection Committee, Member (2024)

Commencement Marshal (2023)

Food and Resource Economics Department Ad Hoc Peer Teaching Evaluation Committee, Member (2023)

Duke Kunshan University:

Research Policy Committee, Member (2018–2020).

Standing Committee on Misconduct in Research, Member (2018–2020).

Faculty Council, Member (2018–2020).

iMEP Admissions Committee (2018–2022), Chairperson (2020–2022).

iMEP Curriculum Committee, Quantitative methods lead (2020–2022).

iMEP Master's Project Committee (2020–2022).

iMEP Duke Semester Committee (2020–2022).

Environmental Research Center Faculty Steering committee (2021–2022).

International Food Policy Research Institute:

Workplace Committee, Member (2016–2018).

Institutional Review Board (IRB), Member (2016–2018).

Publications Review Committee: Member (external) (2024 – present)

Other professional service:

Local Organizing Committee–IVth World Conference of the Spatial Econometrics Association (2010).

Agricultural and Applied Economics Association (AAEA)

Employment Services Committee (2010–2013)

Research methods/Econometrics/Statistics Section: Topic leader (2022–2024)

China Section: Secretary/Treasurer (2024–2026)

Cereal Systems Initiative for South Asia (CSISA) India Management Team and Country Coordinating Committee (2012–2018).

Association memberships

Member: American Association for the Advancement of Science (AAAS)

Member: American Economic Association (AEA)

Member: Agricultural & Applied Economics Association (AAEA)

Member: International Association of Agricultural Economists (IAAE)

Honors, Awards, & Fellowships:

Fellowships

2011–2012: Visiting Research Fellowship, International Center for Climate Governance (ICCG), Venice, Italy.

Internal and external research awards

Contributor on multi-institutional collaborative research programs

2015	Cereal Systems Initiative for South Asia (CSISA) Phase III	Bill and Melinda Gates Foundation and US Agency for International Development (USAID)	\$33,000,000
2015	Technical Assistance and Research for Indian Nutrition and Agriculture (TARINA)	Bill and Melinda Gates Foundation	\$13,464,674

Principal investigator or investigator

2022	Center for Effective Global Action's (CEGA) Digital Credit Observatory (DCO)	Co-PI	\$233,821
2021	Duke Kunshan University Global Health Research Center	Faculty supervisor	RMB 30,000
2021	Duke Kunshan University Humanities Research Center Health Humanities Lab	Faculty supervisor	RMB 10,000
2020	International Initiative for Impact Evaluation (3ie)	Co-PI	\$254,022
2019	Center for Effective Global Action's (CEGA) Digital Credit Observatory (DCO)	Co-PI	\$49,932
2017	International Initiative for Impact Evaluation (3ie)	Co-PI	\$435,708
2014	International Growth Centre (IGC) India Program	Investigator	\$50,000
2013	International Food Policy Research Institute (IFPRI) Strategic Innovations Fund	Co-PI	\$50,000

Other awards

Selected Participant, American Enterprise Institute (AEI) Emerging Scholars Workshop in the area of agriculture and food economics, 2015 (Washington, DC).

Selected Participant, Belpasso International Summer School in Environmental and Resource Economics, 2011 (Belpasso, Sicily, Italy).

Recipient of N.J. Yasaswy Memorial Best Paper Award at the 4th International Conference on Applied Econometrics (ICAE-IV) organized by IBS Hyderabad in collaboration with the Indian Econometric Society, 2014.

Committee for the Education of Teaching Assistants (CETA) Excellence in Teaching Award, Purdue University, 2011.

First Prize, 37th Annual James C. Snyder Memorial Lecture Graduate Student Poster Competition, 2011.