

Sampriti Sarkar

[Personal Website](#) | [LinkedIn](#) | [Google Scholar](#)

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Email: sarkars6@msu.edu

EDUCATION

Michigan State University

Ph.D. (Doctoral dual major)
Major 1: Agricultural, Food, and Resource Economics
Major 2: Environmental Science and Policy Program
Advisor: Dr. Frank Lupi

East Lansing, USA
exp. May 2025

University of Calcutta

M.S. in Economics

Kolkata, India
2015 – 2017

University of Calcutta

B.S. in Economics

Kolkata, India
2012 – 2015

PEER-REVIEWED PUBLICATION

Sarkar, Sampriti, Frank Lupi, Lydia Price, and Bruno Basso. 2024. "Corn yield response to phosphorus fertilizer in Michigan: A metamodeling approach for phosphorus management policies." *Journal of Agriculture and Food Research* 18 (December): 101410. <https://doi.org/10.1016/j.jafr.2024.101410>.

JOB MARKET PAPER

"The two-edged sword of altruism in willingness to pay for water infrastructure programs"
Sampriti Sarkar and Frank Lupi. ([Link for draft](#))

WORKING PAPERS

"Evaluating the impact of fertilizer and crop prices on phosphorus concentrations in midwestern watersheds",
Sampriti Sarkar, Preet Lal, Molly Sears, and Frank Lupi. (*R and R from Journal of the Agricultural and Applied Economics Association*) ([Link for draft](#))

"Farmers' management of phosphorus fertilizer in cornfields: evidence from farmers' survey in Michigan", **Sampriti Sarkar**, Frank Lupi, and Bruno Basso. (*R and R from Agricultural and Environmental Letters*) ([Link for draft](#))

"Do vulnerability to climate risks and climate change mitigation policies influence public concern about climate change?", Xin Lan, **Sampriti Sarkar**, Zhicheng Xu and Joseph A. Hamm. (*Under review*) ([Link for draft](#))

WORKS IN PROGRESS

"A positive math programming approach to analyze extensive and intensive margin changes under different phosphorus policies", **Sampriti Sarkar** and Frank Lupi ([Concept](#))

"Stated willingness to pay for improvements in drinking water services in a Mexican municipality with high underground concentrations of fluoride", Adan L. Martinez-cruz and **Sampriti Sarkar** ([Concept](#))

"Household water rate affordability and plumbing inequality: exploring income disparities and population trends across the U.S.", **Sampriti Sarkar** and Frank Lupi ([Concept](#))

"Altruistic preferences and farmers' adoption of pollution- mitigating technologies in developing countries", Myat Thida Win, **Sampriti Sarkar**, Mywish Maredia ([Concept](#))

RESEARCH GRANTS AND FELLOWSHIPS

Environmental Science and Policy Program Competitive Research Grant (\$4200)

Spring 2023

Glenn and Sandy Johnson Fellowship (\$5000)

Spring 2023

Research Enhancement Fellowship (\$962)

Spring 2023

A. Allan Schmid Fellowship in Institutional Economics (\$7810)	Fall 2022
Environmental Science and Policy Program Doctoral Recruiting Fellowship	Fall 2020

TEACHING EXPERIENCE

Graduate Student Instructor AFRE 203: Data Analysis for the Agri-Food System (UG)	Summer 2023
Guest Lecturer AFRE 360: Environmental Economics (UG)	Spring 2023

AWARDS

Best Oral Presentation Award Graduate Research Symposium (Comprehensive Exam) Agricultural, Food, and Resource Economics, MSU	Spring 2023
Third Place: Oral Presentation Graduate Academic Conference Council of Graduate Students Conference, MSU	Spring 2023
AAEA Teaching Academy Travel Award	2024

PROFESSIONAL SERVICE

Graduate Student Engagement Committee <i>Association of Environmental and Resource Economists (AERE)</i>	2024 - Present
Committee on Women in Agricultural Economics (CWAE) <i>Agricultural and Applied Economics Association (AAEA)</i>	2023 - Present
Graduate Student Advisory Committee <i>AERE</i>	2023-24
Vice President <i>Graduate Student Organization, AFRE, MSU</i>	2022-23
Treasurer <i>Graduate Student Organization, AFRE, MSU</i>	2021-22
Student Representative <i>Graduate Program Council at ESPP, MSU</i>	2021-23

PRESENTATIONS

Allied Social Science Associations Annual Meeting*	2025
Environmental Science and Policy Program Fall Research Symposium	2024
Seventh Annual Social Cost of Water Pollution Workshop	2024
Agricultural and Applied Economics Association Meeting	2024
Association of Environmental and Resource Economists	2024
Agricultural and Applied Economics Association Meeting	2023
Graduate Academic Conference, Council of Graduate Students, MSU	2023
Environmental Science and Policy Program Fall Research Symposium	2022
Agricultural and Applied Economics Association Meeting	2022
Agriculture Credit Conference	2022
Sustainability and Development Conference	2019
*scheduled	

OTHER RESEARCH EXPERIENCE

Research Assistant Jadavpur University	2019
Associate Research Manager Kantar IMRB	2018-19
Research Intern Analytics Insight	2017

WORKS IN MEDIA

“Convergence of Big Data, IoT and Cloud Computing for Better Future”

“Natural Language Processing Natural Language Generation: Difference and Applications”

“Business Intelligence in Manufacturing Industry”

TECHNICAL SKILLS

Stata, R, Python, ArcGIS, GAMS, NLOGIT, Ngene, Qualtrics

OTHER SERVICE

Organized and hosted virtual panel on mental health, AAEA CWAE Working Group	2024
GCUA 2030 Mentorship Programme	2023
Clean Water Ambassador for Michigan	2023
Referee, Association of Environmental and Resource Economists Summer Conference	2023
Volunteer for Bhumi, India (NGO)	2018

LANGUAGES

English, Bengali, Hindi

REFERENCES

Dr. Frank Lupi

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Department of Agricultural, Food, and Resource
Economics
Michigan State University
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Dr. James Sears

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Dr. Molly Sears

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Email: searsmo1@msu.edu

Dr. Scott Swinton

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