

Suraksha Baral

The Ohio State University
Department of Agriculture,
Environmental and Development
Economics

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Columbus OH 43210

EDUCATION

Ph.D., Agricultural, Environmental, and Development Economics **2023-Present**
(with a Graduate Minor in Computer Science)

The Ohio State University
Columbus, Ohio
Advisor: Dr. Brian Roe

Master of Science in Agricultural Economics **2023**

University of Georgia
Athens, Georgia, USA
Committee: Dr. William Secor (Chair), Dr. Gopinath Munisamy, Dr. Berna Karali
Thesis: The Effect of Different Food Form Consumption on Total Calorie Intake

Bachelor of Science in Agriculture **2019**

Agriculture and Forestry University
Rampur, Chitwan, Nepal
Major Advisor: Dr. Arvind Srivastava
Thesis: Awareness, Perception, and Determinants of Coffee Farming in Gulmi District of Nepal

RESEARCH INTEREST

Behavioral Economics, Agriculture and Food Policy, Artificial Intelligence, Gender equality

WORK EXPERIENCE

Graduate Research Associate **Aug 2024- Present**
Working with Dr. Brian Roe (The Ohio State University)

Graduate Research Associate **May 2024- Dec 2024**
Farm Income Enhance (FIE) Program (Advisor: Dr. Ani Katchova, The Ohio State University)

Graduate Teaching Assistant Jan.2023-May 2023
Teaching Assistant, University of Georgia (Advisor: Dr. Daniel Remar)
HFIM 4580 Meeting and Event Planning

Graduate Research Assistant 2021-2023
Worked with Dr. Benjamin Campbell

Agriculture Coordinator Dec 2020-May 2021
Durga Devi Technical School, Achham, Nepal.

Research Assistant Aug. 2019-Sep. 2020
National Oilseed Research Program, Sarlahi, Nepal.

Agriculture Intern Dec. 2018 - Jun. 2019
Prime Minister Agriculture Modernization Project (PMAMP) Coffee Super Zone, Gulmi, Nepal.

Research Assistant May 2017 - Oct. 2017
Grain Legumes Research Program, Khajura, Banke, Nepal.

PUBLICATIONS

Research articles

Adhikari, S., & Baral, S. (2025). What's Your Platform? Introducing the Platform Theory in Agricultural Communication. *Journal of International Agricultural and Extension Education*, 32(1), 5.

Baral, S., Bhatta, S., Adhikari, S., & Bajal, S. (2021). Production and marketing channel of potato in Jhapa District, Nepal. *Food & Agribusiness Management (FABM)*, 2(1), 42–45.

Bhatta, S., Baral, S., & Datta, J. P. (2021). An economic analysis of honey production in Chitwan District, Nepal. *American Journal of Agricultural and Biological Sciences*, 15, 132–137.

Belbase, S., Tiwari, A., Baral, S., Banjade, S., & Pandey, D. (2020). Study of improved mandarin (*Citrus reticulata* Blanco) orchard management practices in midhills in Gandaki Province, Nepal. *Malaysian Journal of Sustainable Agriculture (MJSA)*, 4(2), 79–83.

Bajal, S., Subedi, S., & Baral, S. (2019). Utilization of agricultural wastes as substrates for vermicomposting. *IOSR Journal of Agriculture and Veterinary Sciences (IOSR-JAVS)*, 12(8), 79–84.

Under Review

Adhikari, S., Buck, E., Timilsina, R., Baral, S., & Dhital, P. R. (in review). *Characteristics, attitudes, and perceived usefulness of social media use by government agricultural extension workers in Nepal*. Manuscript submitted for publication to *The Journal of Agricultural Education and Extension*.

Work in Progress

From Bins to Behavior: How Enrollment Strategies Shape Composting
Suraksha Baral, Molly Sheridan, Molly Lowe, and Brian Roe

Norm-Based Messaging and Household Food Waste Reduction
Suraksha Baral, Christina M. Neubig, and Brian Roe

Willingness to Pay for Generative AI: The Role of Motivation in Student Decisions
Suraksha Baral, Sudarshan Adhikari, and Emily Buck

A Portrait of Artificial Intelligence Use Cases in the United States Department of Agriculture
Sudarshan Adhikari, Samrat Sikdar, Suraksha Baral, and Emily Buck

Framing Food Justice Through Intersectional Perspectives
Suraksha Baral and Sudarshan Adhikari

CONFERENCE PARTICIPATION

Adhikari, S., Baral, S., & Buck, E. (2025, May 19–22). *Artificial intelligence use in education: A technology acceptance model perspective* [Poster presentation]. American Association for Agricultural Education (AAAE) Conference, Lubbock, Texas.

Adhikari, S., Baral, S., & Buck, E. (2025, May 19–22). *Determining the self: An exploration of student motivation toward using generative artificial intelligence* [Poster presentation]. American Association for Agricultural Education (AAAE) Conference, Lubbock, Texas.

Adhikari, S., Baral, S., & Buck, E. (2025, May 19–22). *Knowledge of Nepalese farmers about agricultural commercialization* [Poster presentation]. American Association for Agricultural Education (AAAE) Conference, Lubbock, Texas.

Baral, S., Sheridan, M., Lowe, M., & Roe, B. (2025, April 10). *From bins to behavior: How enrollment strategies shape composting* [Poster presentation]. CFAES Research Forum 2025, The Ohio State University, Columbus, Ohio.

Adhikari, S., Baral, S., & Buck, E. (2025, April 10). *Bleeding inequality: The nexus of menstrual taboos and food injustice in rural Nepal* [Poster presentation]. CFAES Research Forum 2025, The Ohio State University, Columbus, Ohio.

Adhikari, S., Sikdar, S., Baral, S., & Buck, E. (2025, March 31–April 2). *Positioning the priorities: Is artificial intelligence a priority of the USDA?* [Poster presentation]. 4th Annual AI in Agriculture Conference, Starkville, Mississippi.

Baral, S. (2023). *Determinants of consumption of different food forms: An NHANES-based study*. Paper presented at the Southern Agricultural Economics Association (SAEA) Conference, Oklahoma City, Oklahoma.

Baral, S. (2022, September 17). *Participation in the 26th Annual Student Leadership Conference*. University of Georgia, Athens, GA.

Bajal, S., Timilsina, R. H., Sapkota, S., & Baral, S. (2020, August). *Factors affecting adoption of farm machineries in Maize Zone, Rolpa, Nepal*. Paper presented at the Himalayan Knowledge Conclave, Graduate Conference.

Baral, S. (2019, June). *Potential of underexploited crops in promoting food security in Nepal* [Poster presentation]. Global Initiatives in Agricultural and Applied Sciences for Eco-Friendly Environment, Third International Conference, Kathmandu, Nepal. (Best Poster Presentation Award)

Baral, S. (2018, March). *Consumer preference and demand of ground apple in different agro-ecological zones of Nepal*. Paper presented at the International Conference on Food and Agriculture, Dhanbad, Jharkhand, India. (Best Oral Presentation Award)

OUTREACH REPORT

Katchova, A., Baral, S., Ju, R., & Zulauf, C. (2024, July 29). *Number of farms and land in farms in the Midwest*. farmdoc daily, 14(140). Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign. <https://farmdocdaily.illinois.edu/2024/07/number-of-farms-and-land-in-farms-in-the-midwest.html>

TRAININGS AND WORKSHOPS

International Workshop on Survey Design and Experimental Methods May 26–30, 2025
Michigan State University

Second IZA Workshop: “Climate Change and Human Wellbeing” 26 Sep, 2022
Organized by Institute of Labor Economics

Training on Climate Justice 11-14 May, 2018
Organized by Digo Bikash Institute

Training on Climate-Smart Agriculture and Soils 29-30 March, 2018
Organized by the Ohio State University at 2nd International Conference on Food & Agriculture 2018, Dhanbad, Jharkhand

Training on Entrepreneurship**10-20 November, 2016**

Organized by Nepal Entrepreneurship Hub and World Wildlife Fund (WWF)

Training on ICT**July-August, 2016**

Organized by the Agriculture Student Liaison Forum in collaboration with the Agriculture and Forestry University

Training on Professional Technical Writing**25-26 April, 2016**

Organized by the Agriculture Student Liaison Forum in collaboration with the Agriculture and Forestry University

National Leadership Development Training**2-4 February, 2016**

Organized by Nepal Youth Red Cross Circle in collaboration with Agriculture and Forestry University

PROFESSIONAL SERVICE

- Reviewer for **CFAES INTERNAL GRANTS PROGRAM (IGP)**, The Ohio State University, 2025

MEMBERSHIPS / AFFILIATIONS

Executive Member, Department of Agricultural, Environmental and Development Economics Graduate Student Association (GSA), The Ohio State University. 2024-2025.

Member, Nepalese Students' Association, University of Georgia, Athens, Georgia, 2022

Co-Founder, My Climate Campaign, Rampur, Chitwan, 2018

Vice President, Nepal Youth Red Cross Circle, Rampur, 2017-2018

Member, Rampur Youth Network, Amnesty International, 2016-2017

President, Nepal Junior Red Cross Circle, Jhapa, 2011

AWARDS AND ACHIEVEMENTS

- **Finalist**, *Edward F. Hayes Advanced Research Forum*, The Ohio State University, 2025
- **Third Place**, *Annual CFAES Poster Competition*, The Ohio State University, April 10, 2025
- **Best Oral Presenter**, *International Conference on Food and Agriculture*, Jharkhand, India 2018
- **Winner**, *Greenovation Start-Up Challenge*, World Wildlife Fund, 2016
- **Merit-Based Scholarship Recipient**, *Agriculture and Forestry University*, Full Scholarship for all semesters

SKILLS

Technical Skills - MS Office, SPSS, STATA, MATLAB, R, SAS, Python, and ArcGIS

Languages - Fluent in Nepali (Mother tongue), English, and Hindi

REFERENCE

Brian Roe

Professor,

Department of Agricultural, Environmental, and Development Economics

The Ohio State University

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