

Eliyasu Yahaya Osman

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EDUCATION

- Ph.D. Agricultural Economics**, Kansas State University, Manhattan, KS. 2023- present
Research interests: Applied Economics, Agribusiness, Consumer Demand, Technology Adoption, Energy Economics, and Applied Econometrics.
- M.S. Agricultural Economics**, Kansas State University, Manhattan, KS. May 2023
Thesis Title: Economic Assessment of Mycelia-Based Composite in the Built Environment (Advisor: Dr. Vincent Amanor-Boadu).
- B.A. Economics**, University of Cape Coast, Cape Coast, Ghana. July 2020

WORK EXPERIENCE

- Graduate Research Assistant**, Department of Agricultural Economics, Kansas State University, Manhattan, KS. Aug. 2021-present
- Instructor**, Department of Agricultural Economics, Kansas State University, Manhattan, KS. Fall 2025
- AGEC 115D Decision Tools for Agricultural Economics and Agribusiness.
 - AGEC 115E Decision Tools for Agricultural Economics and Agribusiness.
- Instructor**, Department of Agricultural Economics, Kansas State University, Manhattan, KS. Fall 2024
- AGEC 120 Agricultural Economics and Agribusiness Lab session. Freshman-level principles course in agricultural microeconomics and agribusiness, covering production and consumer theory, supply and demand, market structures, and agricultural trends.
- AAEA Teaching Academy** 2025 - 2026
The AAEA Teaching Academy is a year-long program that provides dedicated teacher training and mentoring in agricultural and applied economics.

Graduate Teaching Assistant , Department of Agricultural Economics, Kansas State University, Manhattan, KS.	Aug. 2021- Dec. 2024
<ul style="list-style-type: none"> • AGECE 501 Data Analysis and Optimization. A junior-level class in linear programming, nonlinear programming, descriptive statistics, linear regression, and time series statistics. My responsibilities included tutoring, grading, and answering students' questions one-on-one. Fall, 2021 • AGECE 120 Agricultural Economics and Agribusiness. August 2023 – present. 	
Student Fellow , Center for Risk Management Education and Research (CRMER), now known as K-State Risk Management Center, Kansas State University, Manhattan, KS.	April 2022- Dec. 2023
Workshop on Survey Design & Experimental Methods in Applied and Agricultural Economics , Morrison School of Agribusiness, Arizona State University, Mesa, AZ.	May 2023
Teaching Assistant , School of Economics, University of Cape Coast, Cape Coast, Ghana.	Sep. 2020- Aug. 2021
Mentoring , ARISE – REU Summer program, Kansas State University, Manhattan, KS.	Summer 2024, 2025

PUBLICATIONS

Peer-reviewed journal articles published

- [3] **Osman, E. Y.**, & Bergtold, J. S. (2025). Variation in intensity of adoption of alternative tillage practices by farmers: Influence of crop rotation, site-specific and risk factors. *Journal of Environmental Management*, 385, 125546.
<https://doi.org/10.1016/j.jenvman.2025.125546>.
- [2] **Osman, E. Y.**, Schroeder, T. C., Lancaster, P. A., & White, B. J. (2024). Balancing the nexus of beef sustainability: a best–worst scaling approach to inform policy decisions. *Agricultural and Resource Economics Review*, 53(3), 427–453.
<https://doi.org/10.1017/age.2024.7>.
- [1] Schroeder, T. C., **Osman, E. Y.**, Lancaster, P. A., & White, B. J. (2023). Ranking heterogeneous US consumer beef attribute preferences. *International Food and Agribusiness Management Review*, 27(2), 184-200.
<https://doi.org/10.22434/ifamr2023.0061>.

Manuscripts under review at peer-reviewed journals

- [1] **Osman, E. Y.**, Schroeder, T. C., Lancaster, P. A., & White, B. J. Consumer Rankings of Alternative Strategies in Beef Sustainability. *Journal of Agricultural and Applied Economics*. (Reviewed & Re-submitted).
- [2] Urban, K., Schroeder, T. C., **Osman, E. Y.**, & Britton, L.L. Consumer Beef Food Safety Perceptions, Information Sources, and Trust. *Journal of the Agricultural and Applied Economics Association*. (under review).
- [3] Gaku, S. Madin, M., & **Osman, E. Y.** “Determinants of Household Food Insecurity: Analyzing the Role of Infrastructure, Climate, and Socioeconomic Factors”. *SN Social Sciences*. (Reviewed & Re-submitted).
- [4] Katharina Bremser, Leah Coffey, Brian A. Peterson, Sarah K. Jackson, Lauren A. Ferguson, José J. Sánchez, **Eliyasu Osman**, Jason Bergtold, Justus Rucker, & Pravin Giri. “National grasslands soundscapes: The influence of visitor attitudes”. *Journal of Outdoor Recreation and Tourism*. (under review)
- [5] Rumana Sharman, Jason Bergtold, Tonya Bronleewe, John Colclazier, Alej Martinez, **Eliyasu Osman**, & Elaina Sutley. “Progress and Challenges to Incorporating Equity in Social and Physical Infrastructure Research”. *Journal of Infrastructure Systems, ASCE*. (under review)

Working papers

- [1] **Osman, E. Y.**, Bergtold, J.S., & Lindamood, J. “Farmers’ willingness to accept solar land leases on Marginal and CRP Lands: A discrete land use framework with interval-censored data”. We plan to submit to the *Renewable and Sustainable Energy Reviews journal*
- [2] Rahul Madbhavi, Ethan Eurich, Mobashsira Tasnim, **Eliyasu Osman**, Jason Bergtold, and Anil Pahwa. “PVSITE: Photovoltaic Sizing, Siting, and Economic Evaluation Using Publicly Available Solar Datasets”.
- [3] **Osman, E. Y.** & Bergtold, J. S. “Structural and Economic Factors Influencing Financial Energy Insecurity of Kansas Households”.
- [4] Ren, Y., Bergtold, J.S., Gharib, M., **Osman, E.Y.**, Sutley, E., & Sharmin, R. “Determinants of Willingness-to-Pay to Avoid Water Outage under Extreme Weather Events”.
- [5] **Osman, E. Y.** & Amanor-Boadu, V. “Techno-Economic Assessment of Mycelia-Based Composite in the Built Environment”
- [6] **Osman, E.Y.**, Bergtold, J.S. & Peterson, B.A. “Biodiversity Conservation Policy Support: Willingness to pay for fish restoration in the Smoky Hill River Watershed in the Central Great Plains of Kansas, USA”.

OUTREACH AND EXTENSION

Extension papers and reports

- [1] **Osman, E.Y.**, T. C. Schroeder, Lancaster, P. A., & White, B. J. (2023). Beef Sustainability Policy: Ranking Consumer Preferences. *K-State AgManager.info*. Available at: [\[link\]](#).
- [2] Schroeder, T. C., **Osman, E.Y.**, Lancaster, P. A., & White, B. J. (2023). Ranking Consumer Beef Preferences. *K-State AgManager.info*. Available at: [\[link\]](#).
- [3] Kansas NSF EPSCoR Community Engagement Studios Reports (2024)

Extension Presentations & Activities

- **National Institute for Animal Agriculture Council Meeting Webinar**. [Presentation]. Consumer Perceptions of Sustainable Animal Ag and Diving into Beef Sustainability. January 15, 2025.
- **Community Engagement Studios**, ARISE Community Studios. Presented at different workshops to stakeholders in ARISE communities in Kansas. 2024- present.
- **Kansas Beef Council (KBC)**. Preliminary results on “Beef sustainability consumer preferences vs. industry and policy initiatives”, presented with Dr. Schroeder and Dr. Lancaster to KBC. April 2023

PRESENTATIONS AT PROFESSIONAL MEETINGS BY PEER REVIEW

- [10] **Eliyasu Y. Osman**, Ted Schroeder, Phillip Lancaster, & Brad White (February 3, 2025). Consumer Rankings of Alternative Strategies in Beef Sustainability. Southern Agricultural Economics Association (SAEA) Annual Meeting, Louisville, KY. January 31- February 2, 2026.
- [9] **Eliyasu Y. Osman**, Jason Bergtold, Yongwang Ren, Mariam Gharib, Madison Graham, & Elaina Sutley (February 2, 2025). Keeping the Lights On: Household Willingness to Pay for Backup Power During Outages. Southern Agricultural Economics Association (SAEA) Annual Meeting, Louisville, KY. January 31- February 2, 2026.
- [8] **Eliyasu Y. Osman**, Jason S. Bergtold, Elaina J. Sutley, Madison Graham, Anexi Gaucin, Yongwang Ren, & Rumana Sharmin. (July 28, 2025). Extreme weather events, community resilience, and energy insecurity in Kansas. [Selected Paper Presentation]. Agricultural and Applied Economics Association (AAEA) Annual Meeting, Denver, CO, July 27 – 29, 2025.
- [7] **Osman, E.Y.** & Bergtold, J.S. (April 4, 2025). Assessing Energy Insecurity and Energy Burden across Households in Kansas. [Selected Paper Presentation]. ARISE Annual Symposium, Garden City, KS. April 3-4, 2025.
- [6] Urban, K., Schroeder, T., **Osman, E.Y.**, & Britton, L. (February 4, 2025). Consumer Beef Safety Perceptions, Information Sources, and Trust. [Selected Paper Presentation]. Southern Agricultural Economics Association (SAEA) Annual Meeting, Irving, TX. February 1 – 4, 2025.

- [5] **Osman, E.Y.** & Amanor-Boadu, V. (October 26, 2024). Techno-Economic Assessment of Mycelia-Based Composite in the Built Environment. [Selected Paper Presentation]. Missouri Valley Economic Association 61st Annual Meeting, Kansas City, MO, October 24-26, 2024
- [4] **Osman, E.Y.**, Bonifas, S., Graham, M., Sharmin, R., Gauci, A., Sipes, M., Bergtold, J.S., & Sutley, E. (October 14, 2024). Energy and water insecurity across Kansas: An empirical examination of households across different social vulnerability segments. [Selected Poster Presentation]. 28th NSF EPSCoR National Conference, Omaha, NE. October 13 – 16, 2024.
- [3] Schroeder, T. C., **Osman, E. Y.**, Lancaster, P. A., & White, B. J. (February 5, 2024). Ranking heterogeneous US consumer beef attribute preferences. [Selected Paper Presentation]. Southern Agricultural Economics Association (SAEA) Annual Meeting, Atlanta, GA. February 3 – 6, 2024.
- [2] **Osman, E.Y.** & Bergtold, J. S. (July 24, 2023). The Variation in Intensity of Alternative Tillage Practices Adopted by Farmers due to Crop Rotation and Geographic Factors. [Selected Paper Presentation]. Agricultural and Applied Economics Association (AAEA) Annual Meeting, Washington, DC, July 23 – 25, 2023.
- [1] **Osman, E.Y.**, & Bergtold, J.S. (July 19, 2023). Biodiversity Conservation Policy Support: Willingness to Pay for Fish Restoration in the Smoky Hill River Watershed in the Central Great Plains of Kansas, USA. [Selected Paper Presentation]. Canadian Agricultural Economics Society (CAES) and Western Agricultural Economics Association (WAEA) Annual Meeting, Whistler, BC, Canada, July 17 – 20, 2023.

CASE STUDY COMPETITIONS

1. International Food and Agribusiness Management Association (IFAMA) 32nd World Conference. Participated in the Graduate Student Case Study Competition, Costa Rica, June 18 – 23, 2022.
2. Agricultural and Applied Economics Association (AAEA) Annual Meeting. Participated in the Graduate Student Case Study Competition, Anaheim, CA, July 31 – August 2, 2022.

RESEARCH PROPOSALS AND GRANTS

1. Consumer Beef Sustainability Preferences Compared with Industry and Policy Initiatives (June 2022).
 Funded Agency: Kansas Beef Council (KBC).
 Investigators: Schroeder, T. C. (PI), **E.Y. Osman** (Co-PI), and B.J. White (Co-PI).
 Amount: \$40,000

JOURNALS REVIEWED FOR

- Agricultural Finance Review

PROFESSIONAL SERVICE AND LEADERSHIP

- **Volunteer Teaching**, Math review for graduate students, Department of Agricultural Economics and Department of Economics, Kansas State University Fall 2023 and 2024
- **Member**, ARISE Postdoc Search Committee, Department of Agricultural Economics, Kansas State University. 2024
- **Officer**, Graduate Students of Agricultural Economics (GSAE), Kansas State University 2021 – 2022
- **Officer**, Agricultural Economics Case Study Club 2021 – 2022
- **Member**, Ag. Econ. GSAE, Ag. Econ. Case Study Club, K-State MANNRS 2021-present

HONORS AND AWARDS

- Kansas NSF EPSCoR Travel Award 2024
- Dean's Award, Faculty of Social Sciences, University of Cape Coast, Ghana 2018 and 2019