

# Fahd Majeed

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## EDUCATION

- PH.D. in Agriculture and Applied Economics, *University of Illinois*, Urbana, IL 2023  
Dissertation: "Payments for Carbon Mitigation by Agriculture: Implications For Risk, Land Use & Biomass Supply"  
Committee: Madhu Khanna (Chair), Ruiqing Miao, Nicholas Paulson, Shadi Atallah
- M.S. in Agriculture and Resource Economics, *University of California*, Berkeley, CA 2012  
M.A. in Economics, *Western Illinois University*, Macomb, IL 2010  
B.A. in Economics, *Western Illinois University*, Macomb, IL 2008  
Minor in Computer Science

## PROFESSIONAL WORK EXPERIENCE

- Postdoctoral Research Associate, *University of Illinois*, Urbana, IL 2023-present  
*Institute for Sustainability, Energy, and Environment (iSEE)* &  
*Center for Advanced Bioenergy and Bioproducts Innovation (CABBI)*
- Senior Research Assistant, *International Food Policy Research Institute (IFPRI)*, Washington, D.C. 2014-2017  
*Markets, Trade and Institutions Division (MTID)*

## PEER-REVIEWED PUBLICATIONS

- Khanna, M., P. Mwebaze, F. Majeed, J. McCall, D.K. Lee, X. Du, M. Jia, N. Miljkovic, B. Peng, R. Miao, K. Guan, J. Macknick. "Economic Incentives for Agrivoltaics Systems with Commodity Crops in the Midwestern United States", *Journal of Benefit-Cost Analysis*, In Press, .
- Jia, M., B. Peng, K. Guan, D. M. Lawrence, E. H. DeLucia, A. K. Knapp, G. A. Barron-Gafford, M. Khanna, D. L. Lombardozzi, M. A. Sturchio, S. A. Kannenberg, L. Zhao, J. McCall, J. Tang, C. J. Bernacchi, P. Mwebaze, F. Majeed, D.K. Lee, A. Time. "Climate-Driven Divergence in Biophysical and Economic Impacts of Agrivoltaics", *Proceedings of the National Academy of Sciences*, February, 2026. <<https://doi.org/10.1073/pnas.2514380123>>
- Majeed, F., M. Khanna, R. Miao. "Designing cost-effective carbon payments to induce cellulosic feedstock production for sustainable aviation fuel", *Applied Economic Perspectives & Policy*, October, 2025. <<https://doi.org/10.1002/aep.70025>>
- Majeed, F., M. Khanna, R. Miao, E. Blanc-Betes, T. Hudiburg, and E. Delucia. "Payment for carbon mitigation reduces riskiness of bioenergy crop production", *Journal of the Agricultural & Applied Economics Association*, April, 2023. <<https://doi.org/10.1002/jaa2.52>>
- Tokgoz, S., S. Allen, F. Majeed, B. Paris, O. Adeola, E. Osabuohien. "Distortions to agricultural incentives: Evidence from Nigerian value chains", *Review of Development Economics*, April, 2020. <<https://doi.org/10.1111/rode.12664>>
- Kassie, G., R. Wubie, S. Tokgoz, F. Majeed, M. Yitayih, and B. Rischkowsky. "Policy-induced price distortions along the small ruminant value chains in Ethiopia", *Journal of Agribusiness in Developing and Emerging Economies*, Vol. 9 No. 3, pp. 220-236, October, 2019. <<https://doi.org/10.1108/JADEE-02-2018-0024>>
- Tokgoz, S., and F. Majeed. "Measuring distortions to agricultural incentives for value chain analysis: Evidence from Indian value chains", *Journal of Agricultural Economics*, Vol. 70 No. 2, pp. 275-292, June, 2019. <<https://doi.org/10.1111/1477-9552.12305>>

## WORKS IN PROGRESS

### PAPERS UNDER REVIEW

“Enabling Solar at Scale: Row Crop Agrivoltaics”, with Madhu Khanna, Paul Mwebaze, James McCall, and others. Under Review at *Nature Communications*.

“What Will Drive Agrivoltaics Adoption: Evidence from the US Solar Developer’s Survey”, with Bijesh Mishra, Paul Mwebaze, Ruiqing Miao, Madhu Khanna, James McCall, Alexis Pascaris, and Caroline/ Hernandez. Under Review at *Energy Policy*.

“Exploring Feedstock Pathways to Three Billion Gallons of Sustainable Aviation Fuel: The Role of Contracts and Bioenergy Crop Insurance”, with Mohit Anand, Bijesh Mishra, Ruiqing Miao, and Madhu Khanna. Revise & Resubmit at *Applied Economic Perspectives & Policy*.

“Advancing Agrivoltaics through a Systematic Design Framework: Guidelines for Integration and Informed Decision-Making”, with Xuzhi Du, Nenad Miljkovic, Madhu Khanna, Paul Mwebaze, James McCall and others. Revise & Resubmit at *Nature Sustainability*.

### PAPERS IN PROGRESS

“Incentivizing Cover Crop Adoption: Effectiveness of Alternative Policy Approaches for Risk-Averse and Impatient Farmers”, with Madhu Khanna, Ruiqing Miao, Jonathan Coppess, and Kaiyu Guan.

“Can Farmers be Incentivized to Adopt Cover Crop in the Rainfed US via Adjustments to Federal Crop Premiums”, with Madhu Khanna, Joseph Cooper, and Ruiqing Miao.

“Mitigating food and solar energy conflict with through Low-Productivity Land Use and Agrivoltaics and their economic implications”, with Madhu Khanna, Paul Mwebaze, James McCall, Nenad Miljkovic, Xuzhi Du, Mengqi Jia, Kaiyu Guan, Bin Peng.

“Willingness of Midwestern Farmers to Adopt Utility-Scale and Agrivoltaic Solar Systems, a Choice Experiment”, with Paul Mwebaze, Madhu Khanna, Ruiqing Miao, and James McCall.

## NON-PEER-REVIEWED PUBLICATIONS

### DISCUSSION PAPERS

Majeed, F., S. Tokgoz, S. Allen, and B. Paris. “Measuring distortions along Tanzanian agricultural value chains”, *IFPRI Discussion Paper*, No. 01748, May, 2018. [<link>](#) [<pdf>](#)

Laborde, D., F. Majeed, S. Tokgoz, and M. Torero. “Long-term drivers of food and nutrition security”, *IFPRI Policy Brief*, No. 01531, May, 2016. [<link>](#) [<pdf>](#)

### POLICY BRIEFS, AND OUTREACH PUBLICATIONS

Laborde D., Lallemand, T., Majeed, F., Mamun, A., Martin, W., S. Tokgoz. “Introducing the Updated AgIncentives Database”, *IFPRI Data Paper*, June, 2023. <https://doi.org/10.2499/p15738coll2.136729> [<pdf>](#)

Allen, S., Kassie, G., Majeed, F., and S. Tokgoz. “Policy-induced market distortions along agricultural value chains: Evidence from Ethiopia and Nigeria”, *IFPRI Policy Brief*, May, 2021. <https://doi.org/10.2499/9780896294158> [<pdf>](#)

Majeed, F. “Civic Scientist series - Voices from our network”, *Green Lands Blue Waters*, Minnesota Institute for Sustainable Agriculture at the University of Minnesota, November, 2020. [<link>](#)

Laborde D., Martin, W., Tokgoz, S., Lallemand, T., F. Majeed. “Poverty impacts of widely adopted CGIAR innovations”, *IFPRI Policy Brief*, October, 2017. [<link>](#) [<pdf>](#)

Majeed, F., S. Tokgoz, and B. Paris. “Distortions to agricultural incentives”, *IFPRI Food Security Portal blog*, June, 2016. [<link>](#)

Tokgoz, S., and F. Majeed. “Price transmission across value chains”, *IFPRI Food Security Portal blog*, September, 2015. [<link>](#)

## TEACHING AND GRADING EXPERIENCE

Graduate Assistant, <i>University of Illinois</i> , Urbana, IL	2021
Grader for Personal Financial Planning (ACE 240) for C. Lemoine	
Graduate Student Instructor, <i>University of California</i> , Berkeley, CA	2011-2012
Instructor for two sections of Introduction to Economics (Econ 1) for B. DeLong	
Instructor for two sections of Environmental Economics and Policy (EEP 1/Econ C3) for P. Berck	
Grader for two sections of Industrial Organization (Econ 121) for A. Dey	
Instructor for two sections of Introduction to Economics (Econ 1) for M. Olney	
Graduate Assistant, <i>Western Illinois University</i> , Macomb, IL	2009
Grader for two sections of Introduction to Economics (Econ 100) for G. Haynes	

## GRADUATE RESEARCH EXPERIENCE

Research Assistant, <i>University of Illinois</i> , Urbana, IL	2017-2022
<i>Center for Advanced Bioenergy and Bioproducts Innovation (CABBI)</i> , 2018-2022	
<i>Agriculture and Consumer Economics (ACE)</i> , 2017-2018	
Graduate Researcher, <i>Center for Effective Global Action (CEGA)</i> , Berkeley, CA	2011
Research Assistant, <i>Illinois Institute of Rural Affairs (IIRA)</i> , Macomb, IL	2010

## PRESENTATIONS, POSTERS AND WORKSHOPS

### PRESENTATIONS

2025: AAEA Annual Meeting selected presentation. [<pdf>](#)  
 2024: AAEA Annual Meeting selected presentation, [<pdf>](#) AAEA Annual Meeting selected presentation, [<pdf>](#) AAEA Annual Meeting AERE track session. [<link>](#)  
 2023: AAEA Annual Meeting selected presentation. [<pdf>](#)  
 2022: AAEA Annual Meeting selected presentation. [<pdf>](#)  
 2020: AAEA Annual Meeting selected presentation, [<pdf>](#) Illinois (pERE seminar). [<link>](#)  
 2019: AGU Fall Meeting, [<link>](#) ESA/USSEE Joint Meeting, Illinois (Switchgrass V International Conference), [<link>](#) Illinois (Graduate Research Paper).  
 2016: IFPRI (WiP seminar).

### POSTERS

2025: Illinois (CABBI Annual Meeting).  
 2024: Illinois (CABBI Annual Meeting).  
 2022: AAEA Annual Meeting (selected presentation), [<pdf>](#) Illinois (External Review Meeting).  
 2021: AAEA Annual Meeting (selected presentation), [<pdf>](#) Illinois (CABBI Annual Meeting).  
 2020: DOE (GSP Annual Principal Investigator Meeting). [<pdf>](#)

### WORKSHOPS

2024: Illinois (notetaker - iSEE Critical Conversation: Integrating Solar and Agriculture). [<pdf>](#)  
 2023: Illinois (notetaker - iSEE Critical Conversation: Climate-Smart Agricultural Practices). [<pdf>](#)  
 2016: IFPRI (trainer - workshop on Agricultural Distortions across Value Chains in Africa). [<pdf>](#)

## PROFESSIONAL ACTIVITIES

*Ad hoc* referee for JARE, ERS, EE, LE.

## **SKILLS**

*Languages:* Fluent in English, and Urdu.

*Programming Languages:* MATLAB, GAMS, Stata, VBA,  $\LaTeX$ , Python, R, and C++.

*Geographic Information Systems:* QGIS, and ArcGIS.

## **LAST UPDATE**

March 2026.