

Fahd Majeed

Phone: +1.630.877.3933

Web: fahdmajeed.net

Email: fmajeed2@illinois.edu

Education

Ongoing	DOCTOR OF PHILOSOPHY in Agriculture and Applied Economics, <i>University of Illinois</i> , Urbana, IL
2012	MASTER OF SCIENCE in Agriculture and Resource Economics, <i>University of California</i> , Berkeley, CA
2010	MASTER OF ARTS in Economics, <i>Western Illinois University</i> , Macomb, IL
2008	BACHELOR OF ARTS in Economics, Minor in Computer Science, <i>Western Illinois University</i> , Macomb, IL

Work Experience

2018-Present	Research Assistant, <i>Center for Advanced Bioenergy and Bioproducts Innovation</i> , Urbana, IL
2017-2018	Research Assistant, Agriculture and Consumer Economics, <i>University of Illinois</i> , Urbana, IL
2014-2017	Senior Research Assistant, <i>International Food Policy Research Institute</i> , Washington, D.C.
2011-2012	Graduate Student Instructor, <i>University of California</i> , Berkeley, CA
2010	Research Assistant, <i>Illinois Institute of Rural Affairs</i> , Macomb, IL
2009	Graduate Assistant, <i>Western Illinois University</i> , Macomb, IL

RESEARCH EXPERIENCE DETAILS

- 2017-Present *Agriculture and Consumer Economics Department*, University of Illinois, Urbana, IL, and *Center for Advanced Bioenergy and Bioproducts Innovation*, Urbana, IL
- Work on projects in natural resource and environmental economics with a focus on renewable energy, agriculture, and risk topics under partial equilibrium, general equilibrium, and simulation frameworks. Specific projects include:
- *Incentivizing Energy Crop Production for Risk-Averse Farmers through Ecosystem Service Payments* with M. Khanna and R. Miao
 - Develop economic simulation model for ecosystem services in the US cellulosic ethanol agricultural market
 - Collect, analyze, document, and process primary and secondary data from various sources including biophysical model DayCent for model input
 - Develop conceptual model for ecosystem service payments for miscanthus, switchgrass, corn stover
 - Write code in MATLAB to construct simulation model of ecosystem service payments in the US cellulosic ethanol agricultural market
 - Write paper in support of model

Markets, Trade and Institutions Division, International Food Policy Research Institute, Washington, D.C.

- *Biofuel and Environmental Policy Analysis Model* with M. Khanna and others
 - Collected, and documented, primary data for US agriculture market from various sources
 - Analyzed and processed collected data to be used as inputs for BEPAM model
- Worked on projects related to agricultural incentives, value chains, and partial equilibrium models for developing countries. Specific projects include:
 - *Integrated agriculture and renewable energy systems in India* with co-author S. Tokgoz
 - Worked on partial equilibrium modeling of Indian agricultural, biofuels, energy markets
 - Worked with S. Tokgoz in developing conceptual model on integrated system for major crops
 - Collected, analyzed, documented, and processed primary and secondary data for India from various sources
 - Wrote code in GAMS and as well as performed documentation of simulation model
 - *Measuring distortions to agricultural incentives* with W. Martin, D. Laborde, and S. Tokgoz
 - Worked with IFPRI and other international organizations' teams for preparation of a consolidated global database of distortions agricultural incentives by the Ag-Incentives Consortium including FAO-MAFAP, IADB, World Bank, and OECD
 - Wrote code to automate data collection, processing, and analysis of OECD PSE database
 - Created manuals and documentations for use for written code
 - Participated in exchanges and iteration with project partners at OECD for discussions on databases and consortium goals
 - *A systematic and global assessment of the impact of CGIAR technologies on poverty* with W. Martin, D. Laborde, and S. Tokgoz
 - Carried out detailed literature review, write report, prepare tables, graphs, presentations on the response of agricultural TFP to investments in R&D, and particularly to CGIAR investments in R&D
 - Provided feedback and preliminary information to aid in the design of the Delphi survey used in this project
 - *Long term drivers of food and nutrition security* IFPRI Discussion Paper with M. Torero, D. Laborde, and S. Tokgoz
 - Collected, analyzed, documented, and processed primary and secondary data
 - Contributed to writing of Discussion Paper with co-authors
 - Prepared tables and graphs from data collected and processed to be used in paper
 - *Distortions to agricultural incentives in India: evidence from agricultural value chains* with S. Tokgoz
 - Conceived a new methodology for measuring distortions to agricultural incentives across an entire value chain with co-author S. Tokgoz
 - Collected, analyzed, documented, and processed primary and secondary data for India
 - Wrote code to automate data collection, processing, and analysis (coding with VBA)
 - Wrote Working Paper for AAEEA 2016 Conference with co-author S. Tokgoz
 - Wrote blog posts reviewing and analyzing data and findings
 - *Agricultural distortions and value chains in Africa* with S. Tokgoz
 - Conducted preliminary investigation on selected Value Chains in Nigeria, Tanzania, and Ethiopia
 - Coordinated with S. Tokgoz in the development of a method to process prices at various

- points in the value chain as well as a mapping of sugar and oilseed complexes
- Sat in on meetings with researchers from ICARDA to discuss project details for Value Chain work in Ethiopia
- Trainer in the IFPRI sponsored kick-off workshop for "Agricultural Distortions across Value Chains in Africa"
- *AGRODEP* with S. Tokgoz and others
 - Contributed to development of and give feedback on training tutorials and materials for GAMS lessons for AGRODEP members
 - Wrote literature review for agricultural incentives in developing countries
 - Prepared documents, tutorials, and write code for the IFPRI-AGRODEP sponsored training for "Agricultural Distortions and Value Chains", held in Dakar, Senegal on September 1-3, 2015 with S. Tokgoz
- *India Food Security Portal* with S. Tokgoz, S. Allen, and S. Kim
 - Collected, analyzed, documented, and processed primary and secondary data
 - Prepared databases of various prices for major crops for the Food Security Portal
 - Wrote blog posts reviewing and analyzing data and findings

2012

Center for Evaluation and Global Action, Berkeley, CA

- Wrote report on education in Pakistan with a focus on primary and secondary education expenditure and infrastructure, and the role of state and non-state providers of education
- Wrote report on health care in Pakistan with an overview on historical and current state of health infrastructure and expenditure, and a focus on maternal, neonatal, and child health

2010

Illinois Institute of Rural Affairs, Macomb, IL

- Researched strategies for an entrepreneurial culture in rural Illinois communities
- Contributed to research reports on wind farms and concentrated animal farm operations
- Investigated deliberation and conflict resolution in agricultural vs. nonagricultural issues

TEACHING EXPERIENCE DETAILS

2011-2012

Graduate Student Instructor, University of California, Berkeley, CA

- Two sections of Introduction to Economics (Econ 1) for B. DeLong
- Two sections of Environmental Economics and Policy (EEP 1/Econ C3) for P. Berck
- Two sections of Industrial Organization (Econ 121) for A. Dey
- Two sections of Introduction to Economics (Econ 1) for M. Olney

2009

Graduate Assistant, Western Illinois University, Macomb, IL

- Two sections of Introduction to Economics (Econ 100) for G. Haynes

Publications

PEER-REVIEWED JOURNAL ARTICLES

2020

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>>

2019

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>>

2018 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>>

DISCUSSION PAPERS

2018 Majeed, F., S. Tokgoz, S. Allen, and B. Paris. “Measuring distortions along Tanzanian agricultural value chains” *IFPRI Discussion Paper*, No. 01748, May, 2018. <<https://www.ifpri.org/publication/measuring-distortions-along-tanzanian-agricultural-value-chains>>

2016 Laborde, D., F. Majeed, S. Tokgoz, and M. Torero. “Long-term drivers of food and nutrition security” *IFPRI Discussion Paper*, No. 01531, May, 2016. <<https://www.ifpri.org/publication/long-term-drivers-food-and-nutrition-security-0>>

CONFERENCE AND WORKSHOP PAPERS

2017 Tokgoz, S., and F. Majeed. “Measuring distortions to agricultural incentives for value chain analysis - evidence from Indian value chains”, at the *XVEAAE Congress*, Parma, Italy on August 29-September 1 2017. Presented by S. Tokgoz. <<https://pim.cgiar.org/files/2017/09/PosterEAAE2017-TokgozMajeed.pdf>>

2017 Martin, W., D. Laborde, S. Tokgoz, F. Majeed, and T. Lallemand. “The Ag-Incentives Consortium database”, at the *GTAP conference on global economic analysis*, West Lafayette, IN on June 7-9 2017. Presented by W. Martin. <https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5369>

2016 Laborde, D., S. Tokgoz, F. Majeed, and T. Lallemand. “Towards a consolidated database of distortions agricultural incentives: the Ag-Incentives Consortium”, at the *Seventh International Conference on Agricultural Statistics*, Rome, Italy on October 26-28 2016. Presented by S. Tokgoz. <<http://www.ifpri.org/publication/towardsconsolidated-database-distortions-agricultural-incentives-ag-incentives>>

2016 Tokgoz, S., and F. Majeed. “Distortions to agricultural incentives in India: evidence from agricultural value chains”, Selected Paper for the 2016 *Agricultural and Applied Economics Association annual meeting*, Boston, Massachusetts, July 31-August 2, 2016. Presented by S. Tokgoz. <<http://purl.umn.edu/236087>>

2015 Tokgoz, S., and F. Majeed. “Agricultural distortions and value chains”, *IFPRI-AGRODEP* sponsored training in Dakar, Senegal on September 1-3, 2015. Presented by S. Tokgoz.

OUTREACH PUBLICATIONS

2016 Majeed, F., S. Tokgoz, and B. Paris. “Distortions to agricultural incentives” *IFPRI Food Security Portal blog*, June 30, 2016. <<http://india.foodsecurityportal.org/regional-sub-portal-blog-entry/india/910>>

2015 Tokgoz, S., and F. Majeed. “Price transmission across value chains” *IFPRI Food Security Portal blog*, September 30, 2015. <<http://india.foodsecurityportal.org/regional-sub-portal-blog-entry/india/453>>

Presentations and Workshops

PRESENTATIONS

- 2020 (upcoming) AAEA Annual Meeting, *Agricultural & Applied Economics Association*, “Designing payments for GHG mitigation to induce low carbon bioenergy production”, Kansas City, MO, July 26-28.
- 2020 GSP Annual Principal Investigator Meeting, *US Department of Energy - Genomic Science Program*, “Effectiveness of Payments for Greenhouse Gas Mitigation to Induce Low Carbon Bioenergy Production”, Washington, D.C., February 24. <https://www.ora.gov/gsp2020/abstracts/DeLucia_Majeed.pdf>
- 2019 AGU Fall Meeting 2019 *American Geophysical Union*, “Incentivizing ecosystem services from crop production: implications for energy crop production by risk-averse farmers”, San Francisco, CA, December 12. <<https://agu.confex.com/agu/fm19/meetingapp.cgi/Paper/491847>>
- 2019 Graduate Research Paper Celebration *Agriculture and Resource Economics, University of Illinois*, “Incentivizing ecosystem services from crop production: implications for energy crop production by risk-averse farmers”, Urbana, IL, December 6.
- 2019 ESA/USSEE Joint Meeting *Ecological Society of America & United States Society for Ecological Economics*, “Incentivizing ecosystem services from crop production: implications for energy crop production by risk-averse farmers”, Louisville, KY, August 16.
- 2019 Switchgrass V International Conference, *Institute for Sustainability, Energy, and Environment, University of Illinois*, “Incentivizing ecosystem services from crop production: implications for energy crop production by risk-averse farmers”, Champaign, IL, July 25. <<https://sustainability.illinois.edu/outreach/annual-events-conferences/switchgrass-v-conference/>>
- 2016 IFPRI Markets Trade and Institutions Work in Progress seminar “Distortions to agricultural incentives in India: evidence from agricultural value chains”, Washington, D.C., July 22

WORKSHOPS

- 2016 Trainer in the IFPRI sponsored kick-off workshop for “Agricultural distortions across value chains in Africa”, Washington, D.C., May 23-24 – with S. Tokgoz

Referee Reports

- 2015 ERS Report - MS 468: “*Climate impacts, socioeconomic assumptions, and the ERS International Food Security model*”, with S. Tokgoz
- 2015 Energy Economics: “*The impact of changes in fuel policies on the Brazilian economy*”, with S. Tokgoz
- 2014 Land Economics: “*Conversion of grassland to cropland in rain-fed versus irrigated agriculture: the case of Nebraska*”, with S. Tokgoz

Skills

Languages: Fluent in English, and Urdu

Computing Skills: MATLAB, GAMS, VBA, Stata, L^AT_EX, ArcGIS, Python, C++, Linux