

## **Farzad Taheripour**

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### **Education**

**Ph.D.** Agricultural Economics, University of Illinois at Urbana-Champaign (UIUC), 2006

**M.S.** Economic Systems Planning, Isfahan University of Technology, Isfahan, Iran, 1989

**B.A.** Economics, Shiraz University, Shiraz, Iran, 1986

### **Fields of Interest**

- Applied Microeconomics (Energy, Bioenergy, Climate Change, Land use, Water, and Food)
- Applied Macroeconomics (Economic Growth and Development, General Equilibrium Modeling, Fiscal policies)
- Applied Econometrics (Demand and Cost Functions)

### **Positions Held**

2015- Research Associate Professor, Department of Agricultural Economics, Purdue University

2012-15 Research Assistant Professor, Department of Agricultural Economics, Purdue University

2008-12 Energy Economist, Department of Agricultural Economics, Purdue University

2007-08 Post Doctoral Fellow, Department of Agricultural Economics, Purdue University

2000-06 Research and Teaching Assistantship, UIUC

1992-99 Research Economist and Instructor, Institute for Research in Planning and Development (IRPD), Plan and Budget Organization, Tehran, Iran

1993-94 General Director, Macro Economic and Population and Human Resource Bureaus, Plan and Budget Organization, Tehran, Iran

1989-92 Instructor, Agricultural Economics Department, Shiraz University, Iran

1989-92 Research Economist, Plan and Budget Organization, Fars Province, Shiraz, Iran

### **Teaching Experience**

2010 Instructor, GTAP short course, Department of Agricultural Economics, Purdue University

1999-06 Teaching at UIUC:

- Mathematics for Economists 2005 and 2006
- Applied Statistical Methods, computer lab and discussion sections 2002 to 2005
- Business Statistics, discussion sections 2005
- Statistics I and II, discussion sections 2001 and 2002
- Microeconomics and Macroeconomics, discussion sections 2000 and 2001

1989-99 Teaching undergraduate level courses in Microeconomics, Macroeconomics, Econometrics, and Cost-Benefit Analysis at Shiraz University and at the IRPD, Iran

## Publications in English

### *Published Journal Articles*

1. **Taheripour F.**, Mahaffey H., and Tyner W. (2016) "Evaluation of Economic and Land Use Impacts of Substituting Non-GMO Crops for GMO in the US," *AgBIOForum*, 19(2): 156-172.
2. Haqiqi I., **Taheripour F.**, Liu J., and Van Der Mensbrugge (2016) "Introducing Irrigation Water into GTAP Data Base Version 9," *Journal of Global Economic Analysis*, 1 (2): 116-155.
3. **Taheripour F.**, Hertel T., Narayanan B., Sahin S., Markandya A. and Mitra K. (2016) "Economic and Land Use Impacts of Improving Water Use Efficiency in Irrigation in South Asia," *Journal of Environmental Protection* 7(11): 1571-1591.
4. Mahaffey H. **Taheripour F.**, and Tyner W. (2016) "Evaluating the Economic and Environmental Impacts of a Global GMO Ban," *Journal of Environmental Protection* 7(11): 1522-1546.
5. Liu J., Hertel T., and **Taheripour F.** (2016) "Analyzing Future Water Scarcity in CGE Models," *Water Economics and Policy*, 2(2), 1650006.
6. Dhoubhadel S., **Taheripour F.**, and Stockton M. (2016) "Livestock demand, global land use change, and induced greenhouse gas emissions," *Journal of Environmental Protection*, 6(7): 985-995.
7. **Taheripour F.**, Fiegel J., and Tyner W. (2016) "Development of Corn Stover Biofuel: Impacts on Corn and Soybean Markets and Crop Rotation," *Sustainable Agriculture Research*, Vol. 5 (1), 1-9.
8. **Taheripour F.**, and Tyner W. (2014) "Corn Oil Biofuel Land Use Change Emission Impacts: Sharing Emission Savings between Ethanol and Biodiesel," *Biofuels*, Vol. 5 (4), 353-364.
9. Liu J., Hertel T., **Taheripour F.**, Zhu T., and Rigal C. (2014) "International trade buffers the impact of future irrigation shortfalls," *Global Environmental Change*, Vol. 29, 22-31.
10. **Taheripour F.** and W. Tyner (2014), "Shale oil and gas boom and emission reduction targets: Tradeoffs between gains and costs," *USAEEDialogue*, Vol. 22 (3).
11. Treesilvattanakul K., **Taheripour F.**, and Tyner W. (2014), "Economic and Land Use Consequences of Biofuel Production and Policy with Application of US and EU Sustainability Criteria," *Energies* Vol. 7, 5119-5128.
12. **Taheripour F.**, W. Tyner, and Sarica K. (2013) "Assessment of the Economic Impacts of the Shale Oil and Gas Boom," *USAEEDialogue*, Vol. 21 (3).
13. **Taheripour F.**, Hurt C., and Tyner W. (2013) "Livestock Industry in Transition: Economic, Demographic, and Biofuel Drivers," *Animal Frontiers*, 3 (2): 38-46.
14. **Taheripour F.** and Tyner W. (2013) "Induced Land Use Emissions Due to First and Second Generation Biofuels and Uncertainty in Land Use Emissions Factors," *Economics Research International*, Vol 2013, Article ID 315787: 1-12.
15. **Taheripour F.**, Hertel T., and Liu J. (2013) "Role of Irrigation in Determining the Global Land Use Impacts of Biofuels," *Energy, Sustainability and Society*, 3 (4): 1-18.
16. **Taheripour F.** and Tyner W. (2013) "Biofuels and Land Use Change: Applying Recent Evidence to Model Estimates," *Applied Sciences*, 3: 14-38.
17. **Taheripour F.**, Qianlai Z., Tyner W., and Lu X. (2012) "Biofuels, Cropland Expansion, and the Extensive Margin," *Energy, Sustainability and Society*, 2 (25): 1-11.

18. Dweikat I., Weil C., Moose S., Kochian L., Mosier N., Ileleji K., Brown P., Peer W., Murphy A., **Taheripour F.**, McCann M., Carpita N. (2012) “Envisioning the Transition to a Next-Generation Biofuels Industry in the US Midwest,” with *Biofuels, Bioproducts & Biorefining*, 6(1): 376-386.
19. Beckman T., Hertel W., **Taheripour F.**, and Tyner W. (2012) “Structural Change in the Biofuels Era,” *European Review of Agricultural Economics*, 39(1): 137–156.
20. Gahvari F., and **Taheripour F.** (2011) “Fiscal Reforms in General Equilibrium: Theory and an Application to the Subsidy Debate in Iran,” *The B.E. Journal of Economic Analysis & Policy*, 11(1), Art. 36.
21. Huang, H., Hodge B., **Taheripour F.**, Pekny J., Reklaitis G., and Tyner W. (2011) “The Effects of Electricity Pricing on PHEV Competitiveness,” *Energy Policy*, 39(3): 1552-1561.
22. **Taheripour F.**, Hertel T., and Tyner W. (2011) “Implications of Biofuels Mandates for the Global Livestock Industry: A Computable General Equilibrium Analysis,” *Agricultural Economics*, 42(3): 325–342.
23. Tyner W., **Taheripour F.**, and Perkis D. (2010) “Comparison of Fixed Versus Variable Biofuels Incentives,” *Energy Policy*, 38(10): 5530-5540.
24. **Taheripour F.**, Hertel T., Tyner W., Beckman J., and Birur D. (2010) “Biofuels and their By-Products: Global Economic and Environmental Implications,” *Biomass & Bioenergy*, 34(3): 278-289.
25. Tyner W. and **Taheripour F.** (2008) “Policy Options for Integrated Energy and Agricultural Markets,” *Review of Agricultural Economics*, 30(3): 387-396.
26. Khanna M., Ando A., and **Taheripour F.** (2008) “Welfare Effects and Unintended Consequences of Ethanol Subsidies,” *Review of Agricultural Economics*, 30(3): 411-421.
27. **Taheripour F.** and Tyner W. (2008) “US Ethanol Policy Analysis – What Have We Learned So Far?,” *Choices*, 2008, 23(3): 6-11.
28. **Taheripour F.**, Khanna M., and Nelson C. (2008) “Welfare Impacts of Alternative Public Policies for Agriculture Pollution Control in an Open Economy: A General Equilibrium Framework,” *American Journal of Agricultural Economics*, 90(3): 701-718.
29. Tyner W. and **Taheripour F.** (2008) “Biofuels, Policy Options, and Their Implications: Analyses Using Partial and General Equilibrium Approaches,” *Journal of Agricultural & Food Industrial Organization*, 6(2), Art, 9.
30. Tyner W. and **Taheripour F.** (2007) “Renewable Energy Policy Alternatives for the Future,” *American Journal of Agricultural Economics*, 89(5): 1303-1310.
31. Risner A. and **Taheripour F.** (2007) “Reaction of the local Public to large-scale swine facilities,” *Journal of Animal Science*, 85(6): 1587-1595.
32. Esfahani H. and **Taheripour F.** (2002) “Hidden Public Expenditures and Economic Performance in Iran,” *International Journal of Middle East Studies*, 34(4): 697-718.

### ***Published Book Chapters***

1. **Taheripour F.**, Cui H., Tyner W. (2017: Forthcoming) “An Exploration of Agricultural Land use Change at the Intensive and Extensive Margins: Implications for Biofuels Induced Land Use Change,” In *Bioenergy and Land Use Change*. Edited by Qin Z, Mishra U, Hastings A: American Geophysical Union (Wiley).

2. Tyner W. and **Taheripour F.** (2014) “Unconventional shale oil and gas production and greenhouse gas reduction: Can we have both?,” National Agricultural & Rural Development Policy Center, Policy Brief, Brief 21. May 2014.
3. **Taheripour F.**, Tyner W., and Sarica K. (2014) “Trade and environmental policies: Global economic and environmental analyses in a multidisciplinary modeling framework,” in R.E. Hester and R.M. Harrison (eds.), *Issues in Environmental Science and Technology*, Vol. 39: Fracking, Royal Society of Chemistry.
4. Tyner W. and **Taheripour F.** (2014) “Advanced Biofuels: Economic Uncertainties, Policy Options, and Land Use Impacts,” in McCann, Buckeridge, and Carpita (eds.), *Plants and Bioenergy*, Advances in Plant Biology, Vol. 4, Springer Science+Business Media New York.
5. **Taheripour F.** and Tyner W., (2013) “Welfare Assessment of the Renewable Fuel Standard: Economic Efficiency, Rebound Effect, and Policy Interactions in a General Equilibrium Framework,” in Alberto Pinto and David Zilberman (eds.), *Modeling, Optimization and Bioeconomy*, (2014).
6. Tyner W. and **Taheripour F.** (2013) “Land Use Changes and CO<sub>2</sub> Emissions due to US Corn Ethanol Production” in Simon Levin (eds), *Encyclopedia of Biodiversity*, 2<sup>nd</sup> Edition, 4:539-454.
7. Golub A., Hertel T., **Taheripour F.**, Tyner W. (2010) “Modeling Biofuels Policies in General Equilibrium: Insights, Pitfalls, and Opportunities”, in John Gilbert (eds.), *Frontiers of Economics and Globalization*, 7: 153-187.
8. Ando A., Khanna M., and **Taheripour F.** (2010) “Market and Social Welfare Effects of the Renewable Fuels Standard,” in Khanna, Scheffran, and Zilberman (eds.), *Handbook of Bioenergy Economics and Policy*, Series of *Natural Resource Management and Policy*, 33: 233-250.
9. Tyner W. and **Taheripour F.** (2010) “Biofuels, Policy Options, and Their Implications: Analyses Using Partial and General Equilibrium Approaches,” in Khanna, Scheffran, and Zilberman (eds.), *Handbook of Bioenergy Economics and Policy*, Series of *Natural Resource Management and Policy*, 33: 365-383.
10. **Taheripour F.** (2008) “Regional Input-Output Data: Iran,” in Narayanan and Walmsley (eds.), *Global Trade, Assistance, and Production: The GTAP 7 Data Base*, USA, Purdue University.
11. Tyner W. and **Taheripour F.** (2008) “Policy Analysis for Integrated Energy and Agricultural Markets in a Partial Equilibrium Framework,” in English, Menard, and Jensen (eds.), *Integration of Agricultural and Energy Systems*, Proceedings of a conference held by the Farm Foundation/USDA, at Atlanta, Georgia, February 12-13, Farm Foundation, Pak Brook, IL, 2008: 1-15.
12. Tyner W. and **Taheripour F.** (2008) “Future Biofuels Policy Alternatives,” in Outlaw, Duffield, Ernstes (eds.), *Biofuel, Food & Feed Tradeoffs*, Proceeding of a conference held by the Farm Foundation/USDA, at St. Louis, Missouri, April 12-13 2007, Farm Foundation, Pak Brook, IL, 10-18.
13. **Taheripour F.** and Tyner W. (2008) “Ethanol Subsidies, Who Gets the Benefits?,” in Outlaw, Duffield, and Ernstes (eds.), *Biofuel, Food & Feed Tradeoffs*, Proceeding of a conference held by the Farm Foundation/USDA, at St. Louis, Missouri, April 12-13 2007, Farm Foundation, Pak Brook, IL, 91-98.

### ***Research Reports and Working Papers***

1. **Taheripour F.**, Hertel T., and Gopalakrishnan B. (2016) “Growth, Climate Change, and the Role of Water in the South Asian Economy-A General Equilibrium Modeling Approach: Phase II,” A series of research reports including six chapters provided for the World Bank.
2. **Taheripour F.** and Tyner W. (2016) “The Implications of Data Base Year for Estimating Biofuel Induced Land Use Change Emissions in GTAP: Comparing Forecasting and Backcasting,” Project Report. Department of Agricultural Economics, Purdue University.
3. **Taheripour F.** and Tyner W. (2016) “Introducing First and Second Generation Biofuels into GTAP Data Base version 9”, GTAP Research Memorandum No. 29, GTAP.  
<https://www.gtap.agecon.purdue.edu/resources/download/8382.pdf>
4. Taheripour F., Hertel T., and Gopalakrishnan B. (2015) “Growth, Climate Change, and the Role of Water in the South Asian Economy-A General Equilibrium Modeling Approach: Phase I,” A series of research reports including seven chapters and an executive summary provided for the World Bank.
5. Peña-Lévano L., **Taheripour F.**, and Tyner W. (2015) “Development of the GTAP Land Use Data Base for 2011,” GTAP Research Memorandum No. 28, Purdue University, West Lafayette, IN, USA.
6. **Taheripour F.**, Hertel T., and Liu J., (2013) “Introducing water by river basin into the GTAP Model: GTAP-BIO-W,” GTAP working paper 77, Center for Global Trade Analysis, Purdue University, West Lafayette, IN, USA.
7. Fiegel J., **Taheripour F.**, Tyner W. (2013) “Development of Corn Stover Biofuel: Impacts on Corn and Soybean Markets,” Department of Agricultural Economics, Purdue University, Extension publication number: RE-6-W. [www.extension.purdue.edu/extmedia/RE/RE-6-W.pdf](http://www.extension.purdue.edu/extmedia/RE/RE-6-W.pdf).
8. Tyner W., **Taheripour F.**, and Chris H. (2012) “Potential Impacts of a Partial Waiver of Ethanol Blending Rules,” In collaboration with US Farm Foundation, Department of Agricultural Economics, Purdue University, West Lafayette, IN.  
<http://www.farmfoundation.org/webcontent/Potential-Impacts-of-Waiving-Ethanol-Blending-Rules-1841.aspx>
9. **Taheripour F.**, Golub A., and Tyner W. (2011) “Calculation of indirect land use change (ILUC) values for low carbon fuel standard (LCFS) fleet pathways,” Interim Report, California Air Resources Board.  
[https://www.gtap.agecon.purdue.edu/resources/res\\_display.asp?RecordID=3729](https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=3729)
10. **Taheripour F.** and Tyner W. (2011) “Introducing First and Second Generation Biofuels into GTAP Data Base version 7”, GTAP Research Memorandum No. 21, GTAP.  
<https://www.gtap.agecon.purdue.edu/resources/download/5179.pdf>
11. **Taheripour F.**, Tyner W. and Wang M., (2011) “Global Land Use Changes due to the U.S. Cellulosic Biofuel Program Simulated with the GTAP Model”, Department of Agricultural Economics, Purdue University, Research Report Prepared for Argonne National Laboratory.  
[http://greet.es.anl.gov/publication-luc\\_ethanol](http://greet.es.anl.gov/publication-luc_ethanol)
12. **Taheripour F.**, Hertel T. and Liu J. (2011) “The role of irrigation in determining the global land use impacts of biofuels,”. GTAP working paper 65, Center for Global Trade Analysis, Purdue University, West Lafayette, IN, USA.  
[https://www.gtap.agecon.purdue.edu/resources/res\\_display.asp?RecordID=3743](https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=3743)
13. Tyner W., **Taheripour F.**, Baldos U., Birur D., and Zhuang Q. (2010) “Land Use Changes and Consequent CO<sub>2</sub> Emissions due to US Corn Ethanol Production: A Comprehensive

- Analysis,” Department of Agricultural Economics, Purdue University, Research Report Prepared for Argonne National Laboratory, 2010.  
[www.transportation.anl.gov/pdfs/MC/625.PDF](http://www.transportation.anl.gov/pdfs/MC/625.PDF)
14. Tyner W., **Taheripour F.** Baldos U. (2009) “Land Use Change Carbon Emissions due the US Ethanol production,” Department of Agricultural Economics, Purdue University, Research Report Prepared for Argonne National Laboratory.
  15. Tyner W. **Taheripour F.** and Han Y. (2009) “Preliminary Analysis of Land Use Impacts of Cellulosic Biofuels,” Department of Agricultural Economics, Purdue University, Research Report Prepared for Argonne National Laboratory and California Energy Commission.
  16. **Taheripour F.**, Birur D., Hertel T., Tyner W. (2007) “Introducing Liquid Biofuels into the GTAP Database,” GTAP Research Memorandum No. 11, GTAP, 2007.  
<https://www.gtap.agecon.purdue.edu/resources/download/3939.pdf>.

### **Conference Papers**

1. **Taheripour F.**, Hertel T., and Sahin S. (2016) “Economic and land use impacts of improving water use efficiency in South Asia,” Presented at the *2016 Agricultural and Applied Economics Association meeting*, July 31 to August 3, 2016, Boston, MA.
2. Dhoubhadel S., **Taheripour F.**, and Stockton M. (2016) “Livestock demand, global land use change, and induced greenhouse gas emissions,” Presented at the *2016 Agricultural and Applied Economics Association meeting*, July 31 to August 3, 2016, Boston, MA.
3. Peña-Lévano L., **Taheripour F.**, and Tyner W. (2016) “Climate change interactions with agriculture, forestry sequestration, and food security,” Presented at the *2016 Agricultural and Applied Economics Association meeting*, July 31 to August 3, 2016, Boston, MA.
4. Mahaffey H., **Taheripour F.**, and Tyner W. (2016) “Economic and Environmental Impacts of a Global GMO Ban,” Presented at the *2016 Agricultural and Applied Economics Association meeting*, July 31 to August 3, 2016, Boston, MA.
5. **Taheripour F.**, Hertel T., and Sahin S. (2016) “Land use and economy-wide impacts of improving water use efficiency in South Asia,” Presented at the *19th Annual Conference on Global Economic Analysis*, Jun 15-17 2016, Washington DC.
6. Haqiqi I., **Taheripour F.**, Mensbrugge D. (2016) “Climate Change, Food Production, and Welfare,” Presented at the *19th Annual Conference on Global Economic Analysis*, Jun 15-17 2016, Washington DC.
7. **Taheripour F.**, Hertel T., Gopalakrishnan B., Sahin S. and Escurra J. (2015) “Agricultural Production, Irrigation, Climate Change, and Water Scarcity in India,” Presented at the *2015 Agricultural and Applied Economics Association meeting*, July 26-28, 2015, San Francisco, CA. Also presented at the 18th Annual Conference on Global Economic Analysis, Jun 17-19 2015, Melbourne, Australia.
8. Narayanan B., **Taheripour F.**, and Thomas Hertel, and Sahin S. (2015) “Water Scarcity in South Asia: A dynamic Computable General Equilibrium Analysis,” Presented at the *2015 Agricultural and Applied Economics Association meeting*, July 26-28, 2015, San Francisco, CA. Also presented at the 18th Annual Conference on Global Economic Analysis, Jun 17-19 2015, Melbourne, Australia.
9. Peña-Lévano L., **Taheripour F.**, and Tyner W. (2015) “The Economic Benefits and Costs of Mitigating Climate Change: Interactions among Carbon Tax, Forest Sequestration, and Climate Change Induced Crop Yield Impacts,” Presented at the *2015 Agricultural and Applied Economics Association meeting*, July 26-28, 2015, San Francisco, CA.

10. **Taheripour F.**, Mahaffey H., and Tyner W. (2015) "Evaluation of Economic and Land Use Impacts of Substituting Non-GMO Crops for GMO in the US," Presented at the *19<sup>th</sup> ICABR Conference* Ravello, Italy: June 16 - 19, 2015. Also presented at the *2015 Agricultural and Applied Economics Association meeting*, July 26-28, 2015, San Francisco, CA.
11. **Taheripour F.**, Hertel H., Narayanan B., Sahin S., and Escurra J. (2014) "Exploring the energy-water-food-climate nexus for the Indian Economy in 2030," Presented at the 2014 AGU Fall meeting, San Francisco, CA, 2014. Also presented at 2014 PIAMDDI Project Meeting, Stanford University, CA 2104.
12. **Taheripour F.** and Tyner W. (2014), "Shale oil and gas booms: Consequences for agricultural and biofuel industries," Presented at the *2014 Agricultural and Applied Economics Association meeting*, July 27-29, 2014, Minneapolis, MN.
13. **Taheripour F.** and Tyner W. (2014), "Shale oil and gas: Modeling economic and environmental impacts in a computational general equilibrium modeling framework," Presented at the 17<sup>th</sup> Annual Conference on Global Economic Analysis, June 18-20, Dakar, Senegal.
14. **Taheripour F.** and Tyner W. (2014), "Shale oil and gas booms and emission reduction targets: Tradeoffs between gains and costs," Presented at the *33<sup>rd</sup> USAEE/IAEE North American Conference*, June 15-18, New York.
15. **Taheripour F.** and Tyner W. (2014), "Shale oil and gas booms: Economic impacts and assessment of environmental tradeoffs," Presented at the *annual meeting of the Northeast Agricultural and Resources Economics Association*, June 1-3, Morgantown, WV.
16. **Taheripour F.**, Hertel T., and Liu J. (2013), "Water Reliability, Irrigation, Biofuel Production, Land Use Changes, and Trade Nexus," Presented at the *16<sup>th</sup> Annual Conference on Global Economic Analysis*, June 12-14, 2013, Shanghai, China.
17. Liu J., Hertel T., **Taheripour F.**, Zhu T., and Rigal C. (2013), "Water Scarcity and International Agricultural Trade," Presented at the *16<sup>th</sup> Annual Conference on Global Economic Analysis*, "New Challenges for Global Trade in a Rapidly Changing World," June 12-14, 2013, Shanghai, China and also Presented at the *2013 Agricultural and Applied Economics Association meeting*, August 4-6, 2013, Washington, DC.
18. **Taheripour F.**, Sarica K., and Tyner W. (2013), "Shale Gas Trade and Environmental Policies: Global Economic and Environmental Analyses in a Hybrid Modeling Framework," presented at the *32nd USAEE/IAEE North American Conference*, July 28-31, 2013, Anchorage, AK.
19. **Taheripour F.**, Hertel T., and Liu J. (2013), "Water Reliability, Irrigation Adoption, and Land use Changes in the Presence of Biofuel Production," Presented at the *2013 Agricultural and Applied Economics Association meeting*, August 4-6, 2013, Washington, DC.
20. Fiegel J., **Taheripour F.**, and Tyner W. (2013), "Development of Corn Stover Biofuel: Impacts on Corn and Soybean Markets and Crop Rotation," Presented at the *2013 Agricultural and Applied Economics Association meeting*, August 4-6, 2013, Washington, DC.
21. Treesilvattanakul K., **Taheripour F.**, and Tyner W. (2013), "Economic and Land Use Consequences of Biofuel Production and Policy with Application of US and EU Sustainability Criteria," Presented at the *2013 Agricultural and Applied Economics Association meeting*, August 4-6, 2013, Washington, DC.
22. Liu J., **Taheripour F.**, and Hertel T. (2012) "Water Availability and Global Land Use Change," Presented at 15th Annual Conference on Global Economic Analysis "New

- Challenges for Global Trade and Sustainable Development*" Geneva, Switzerland June 27-29, 2012.
23. Li L., **Taheripour F.**, Preckel P., and Tyner, W. (2012) "Improvement of GTAP Cropland Constant Elasticity Transformation Nesting Structure," Presented at the Agricultural & Applied Economics Association's 2012 AAEA Annual Meeting, Seattle, Washington, August 12-14, 2012.
  24. **Taheripour F.**, Hertel T. and Liu J. (2011) "The role of irrigation in determining the global land use impacts of biofuels," Presented at: *2011 Applied and Agricultural Economics Association meeting*, Pittsburg, Pennsylvania and *14<sup>th</sup> Annual Conference on Global Economic Analysis*, June 16-18, 2011, Venice, Italy.
  25. **Taheripour F.** and Tyner W. (2011) "Global Land Use Changes and Consequent CO<sub>2</sub> Emissions due to US Cellulosic Biofuel Program: A Preliminary Analysis" Presented at *14<sup>th</sup> Annual Conference on Global Economic Analysis*, June 16-18, 2011, Venice, Italy.
  26. **Taheripour F.**, Tyner W., Hertel T., Golub A. , Birur D., Baldos U., and Zhuang Q. "Economic and Environmental Consequences of US Corn Ethanol Production: A Comprehensive Analysis," Presented at the *13<sup>th</sup> Annual Conference on Global Economic Analysis "Sustainable and Inclusive Trade for Growth and Development,"* June 9-11, 2010, Bangkok, Thailand.
  27. **Taheripour F.**, Z. Qianlai, W. Tyner, and T. Hertel (2009) "Estimating Changes of Global Vegetation and Soil Carbon Storage due to Biofuel Production," Department of Agricultural Economics, Purdue University, Presented at the *12<sup>th</sup> Annual Conference on Global Economic Analysis "Trade Integration and Sustainable Development: Looking for an Inclusive World,"* June 10-12, 2009, Santiago, Chile.
  28. **Taheripour F.**, Hertel T., and Tyner W. (2009) "Implications of the Biofuels Boom for the Global Livestock Industry: A Computable General Equilibrium Analysis," Background paper for the *2009 State of Food and Agriculture (SOFA), From the Food and Agriculture Organization of the UN (FAO)*, A revised version also Presented at the *2009 Applied and Agricultural Economics Association meeting*, Milwaukee, Wisconsin.
  29. Gahvari F. and **Taheripour F.** (2008) "The welfare cost of price subsidies: A general equilibrium approach-Case of Iran," Presented at the *Conference on Iran's Economy*, December 11-13, 2008, University of Illinois at Urbana-Champaign, Illini Union, Urbana, IL
  30. **Taheripour F.**, Hertel T., Tyner W., Beckman J., and Birur D. (2008) "Biofuels and their By-Products: Global Economic and Environmental Implications," Presented at the *11<sup>th</sup> Annual Conference on Global Economic Analysis GTAP Conference "Future of Global Economy,"* June 12-14 2008, Helsinki, Finland and to be Presented at the *2008 American Agricultural Economics Association meeting*, Orlando, Florida.
  31. **Taheripour F.**, Yang X. and Jain A. (2007) "Future Changes in Global Land Use Emissions," Presented at the *10<sup>th</sup> Annual Conference on Global Economic Analysis "Assessing the Foundations of Global Economic Analysis,"* June 7-9 2007, West Lafayette, Indiana.
  32. **Taheripour F.**, Khanna M. and Nelson C. (2006) "Economic Impacts of the Conservation Reserves Program: A General Equilibrium Framework," Presented at the *2006 American Agricultural Economics Association meeting*, Long Beach, California.
  33. **Taheripour F.**, Khanna M. and Nelson C. (2005) "Welfare Impact of Alternative Public Policies for Environmental Protection in Agriculture in an Open Economy: A General



Equilibrium Framework,” Presented at the *2005 American Agricultural Economics Association meeting*, Providence, Rhode Island.

34. **Taheripour F.**, Khanna M. and Nelson C. (2005) “Welfare Impacts of Agri-Environmental Policies in an Open Economy: WTO and US Domestic Agricultural Subsidies,” Presented at the *2005 World Trade Organization Impacts on U.S. Farm Policy conference*, New Orleans, Louisiana.
35. **Taheripour F.** and Khanna M. (2002) “Money, Technological Progress, Environmental Quality and Growth”, Presented at the *2002 Heartland Environmental and Resource Economic Workshop*, Iowa state University.
36. **Taheripour F.**, Katchova A., and Barry B. (2002) “Leasing and Debt in Agriculture: A Quantile Regression Approach,” Presented at the *2002 annual meeting of the American Agricultural Economics Association*, Long Beach, California.

### **Publications in Farsi**

1. **Taheripour F.** (2014) “Cutting water supply for agriculture: An unavoidable decision with major consequences,” *Donyae Eghtesad*, Tehran, Iran, Sunday, September 21, 2014.
2. **Taheripour F.** (2013) “Return of the Plan and Budget organization,” *Tejarat*, Tehran, Iran, Saturday, June 22, 2013.
3. Esfahani S. and **Taheripour F.** (2001) “Failure of Export Promotion in Iran: Bad Policies or Bad Politics?” University of Illinois at Urbana Champaign.
4. Esfahani S. and **Taheripour F.** (2000) “The Sixth Parliament and Economic Reform in Iran,” *Bahar*, Monday July 2, 2000.
5. **Taheripour F.** and Esfahani S. (2000) “Off-Budget Expenditures and Fiscal Policy in Iran,” *Bahar*, Saturday May 12 and 13, 2000 (in Persian, reprint from Mohammad Tabibian, eds., *The Iranian Economy*).
6. Esfahani S. and **Taheripour F.** (2000) “Budgeting in Contemporary Iran,” in Kaveh Ehsani, eds., *Goft-o-gu*, Summer 2000.
7. Esfahani S. and **Taheripour F.** (1999) “Balance of Power in Budget Institutions and Macroeconomic Instability in Iran,” University of Illinois at Urbana Champaign.
8. **Taheripour F.** (1998) “The Effect of Growth of Export on the Production and Labor Demand in Iran,” Institute for Research in Planning and Development, Tehran, Iran.
9. Tabibian M. and **Taheripour F.** and et al. (1998) “The Impact of Creating Foreign Exchange Indebtedness under the First-Five Years Economic Plan and their Repayment on the Developments of Key Economic Sectors in Iran,” *Monetary and Banking Research Academy, Central Bank of the Islamic Republic of Iran*, Tehran, Iran.
10. Roghani-Zanjani M. and **Taheripour F.** (1997) “An Analysis of the Performance of Budget,” in Masoud Nili, eds., *The Iranian Economy*, Institute for Research in Planning and Development, Tehran, Iran.
11. **Taheripour F.** (1997) “An Analysis of the Performance of Exports and Imports in Iran,” in Masoud Nili eds., *The Iranian Economy*, Institute for Research in Planning and Development, Tehran, Iran.
12. **Taheripour F.** (1995) “An Analysis of the Performance of the tax system in Iran During 1959-94,” Institute for Research in Planning and Development, Tehran, Iran.
13. **Taheripour F.** (1994) “Forecasting the Number of Population during the Second Development Plan of Iran,” *PBO*, Tehran, Iran.

14. **Taheripour F.** and Anjomshoa M. (1993) “Expansion of Higher Education and Increase of Student Population in Iran” *Planning and Development*, Vol. 2 No. 5, Tehran, Iran.
15. **Taheripour F.** (1991) “A Model for Forecasting the Number of Students”, PBO, Tehran, Iran.
16. **Taheripour F.** (1989) “A Model for Project Appraisal in Public Sector”, Isfahan University of Technology, Isfahan, Iran, (M.S. thesis).

## **Research Grants and Awards**

### **Current**

Total grants \$2,997,984      Total to Dr. Taheripour \$546,753

### **Past**

Total grants \$3,158,370      Total to Dr. Taheripour \$1,317,385

### **Referee for**

1. African Journal of Agricultural Research,
2. American Journal of Agricultural Economics,
3. American Agricultural Economics Association Conferences,
4. Agricultural Economics,
5. Agricultural and Resource Economics Review,
6. Applied Economic Perspectives & Policy (Review of Agricultural Economics),
7. Biofuels,
8. Energy Journal,
9. Energy Policy,
10. Environment, Development, and Sustainability,
11. Environmental and Resource Economics,
12. Environmental Science and Technology,
13. Food Policy,
14. Global Change Biology Bioenergy,
15. GTAP annual conferences,
16. Journal of Agricultural and Applied Economics,
17. Journal of Public Economics,
18. Papers in Applied Geography,
19. The B.E. Journal of Economic Analysis & Policy,
20. Resource and Energy Economics,
21. Water Economics and Policy,
22. Several book chapters.

## **Invited Lectures and Presentations**

1. “Understanding the livestock sector and its role in translating changes in consumption patterns into land use,” Purdue University, AGECE 593: Global land use change to 2050, Invited lecturer, February 21, 2017
2. “Induced Land Use Change at the Extensive and Intensive Margins,” Presented at: The Bio-Economy: Technology and Policy Path Forward, Rutgers University, New Brunswick, NJ, September 2016
3. “Water in Computable General Equilibrium Models: GTAP-BIO-W Development and Some Applications,” Presented at the MIT Joint Program on the Science and Policy of Global Change, Massachusetts Institute of Technology, September 23, 2016
4. “What’s new in energy market,” Special Presentation for Purdue-Zheda Agribusiness Training Program, Purdue University, West Lafayette, IN, August 2014
5. “Understanding the livestock sector and its role in translating changes in consumption patterns into land use,” Purdue University, AGECE 593: Global land use change to 2050, Invited lecturer, January 26, 2016
6. “Shale oil and gas boom: Tradeoffs between gains and emission reduction policies,” Purdue University, ENGR 103: Global engineering practice and design, Invited lecturer, November 30, 2015
7. “Can biofuels compete with fossil fuels,” Borlaug Summer Institute on Global Food Security, Biofuel Panel, Purdue University, West Lafayette, IN June 7-20, 2015
8. “Understanding the livestock sector and its role in translating changes in consumption patterns into land use,” Purdue University, AGECE 593: Global land use change to 2050, Invited lecturer, April 7, 2015
9. “Shale oil and gas boom: Tradeoffs between gains and costs,” Hydraulic fracturing panel, Center for Sustainable Energy, Notre Dame University, October 9, 2014
10. “Biofuel production and policy,” Special Presentation for Professional Master Degree Students, Purdue University, West Lafayette, IN October 22, 2014
11. “What’s new in energy and biofuel markets,” Syngenta Mundo Agro OTO, Special Presentation for Brazilian Visitors, Purdue University, West Lafayette, IN September 4-5, 2014
12. “How to use and modify GTAP-BIO model: Training sessions,” California Air Resources Board, August 2014, Sacramento, California.
13. “Low Water – High Growth in South Asian Economies: An Overview of Macro Economic Model,” Presented at World Bank, July 2014, Washington, DC.
14. “Biofuel production as a driver of global agriculture: Induced land use changes,” Purdue University, AGECE 593: Global land use change to 2050, Invited lecturer, January 28, 2014
15. Syngenta Mundo Agro Activa Completo, Special Presentation for Brazilian Visitors, Purdue University, West Lafayette, IN, September 12, 2013
16. Syngenta Mundo Agro Cruiser, Special Presentation for Brazilian Visitors, Purdue University, West Lafayette, IN, August 21 & 22, 2013
17. Special Topics in Educational Technology: Problem-based Learning in the Science and Math Classroom, Purdue University June, West Lafayette, IN, 2013
18. “Potential Impacts of a Partial Waiver of the Ethanol Blending Rules.” MIT Center for Energy and Environmental Policy Research, Annual Workshop, Massachusetts Institute of Technology, Cambridge, MA. November 2012

19. The Farm Bureau Supper Series, Purdue University, ADM in West Lafayette, IN, November 7, 2012
20. Congressional Ag Legislative Staff Retreat. Purdue University, West Lafayette, IN, October 23-24, 2012
21. "Economics and policy issues related to cellulosic biofuels," Woody Biomass in Indian, Joint Annual meeting of: Indiana Society of American Forester, Indiana Chapter of the Wildlife Society, and Purdue University, Clifty Falls State Park, Madison, IN, September 2012
22. "Future U.S. biofuels potential and policy: Uncertainty reigns," The CAES-WAEA Joint Annual Meeting, Banff, Alberta, 2011
23. "GTAP-BIO model: Induced land use emissions due to biofuels," Life Cycle Analysis (LCA) XI, American Center for Life Cycle Assessment, Chicago, IL, October, 2011
24. "Bio-fuels, land-use and poverty," Washington Dialogue Series, Trade and Climate Change: Development Aspects of Climate Change Policies of OECD Countries, Washington DC, 2009

### **Seminars and Conferences**

1. Annual Meeting of the Agricultural & Applied Economics Association, Boston, MA. 2016
2. The 15th Annual Conference on Global Economic Analysis: Analytical Foundations for Cooperation in a Multipolar World," Washington DC. USA, 2016.
3. Annual Meeting of the Agricultural & Applied Economics Association, San Francisco, CA. 2015
4. The 33rd USAEE/IAEE International Conference "Energy and Economy," New York, NY, 2014
5. Annual Meeting of the Agricultural & Applied Economics Association, Minneapolis, MN. 2014
6. Bioenergy Supply-Chain Modeling Workshop, Organized by DOE (Department of Energy) and NREL (National Renewable Energy Laboratory) July 2104, Washington, DC.
7. Annual Meeting of the Agricultural & Applied Economics Association, Minneapolis, MN, 2014
8. The 32nd USAEE/IAEE North American Conference "Industry Meets Government: Impact on Energy Use & Development," Anchorage, AK, 2013
9. Annual Meeting of the Agricultural & Applied Economics Association, Washington, DC. 2013
10. The 15th Annual Conference on Global Economic Analysis: "New Challenges for Global Trade and Sustainable Development," Geneva, Switzerland, 2012
11. The 14th Annual Conference on Global Economic Analysis Governing Global Challenges: "Climate Change, Trade, Finance and Development", Venice, Italy, 2011
12. Annual Meeting of the Agriculture and applied Economics Association, Seattle, WA, 2012
13. Forestry and Agricultural Greenhouse Modeling Forum, Shepherdstown, West Virginia, 2011
14. Annual Meeting of the Agriculture and applied Economics Association, Pittsburg, PA, 2011
15. The 14th Annual Conference on Global Economic Analysis "Governing Global Challenges: Climate Change, Trade, Finance and Development", Venice, Italy, 2011
16. Annual Meeting of the Agriculture and applied Economics Association, Denver, CA, 2010
17. First US MARKAL/TIMES Symposium, EPA's offices in Research Triangle Park, NC, 2009
18. 2nd Generation Biofuels Symposium, Purdue University, West Lafayette, IN, 2009
19. Annual Meeting of the Agriculture and applied Economics Association, Milwaukee WI, 2009

20. Joint Genomics: GTL Awardee Workshop VI and Metabolic Engineering and USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop, Bethesda. ND, 2008
21. Annual Meeting of the American Agricultural Economics Association, Orlando, FL 2008,
22. The Transition to a Bio-Economy: Integration of Agricultural and Energy Systems conference, Atlanta Airport, Farm Foundation, 2008
23. Annual Meeting of the American Agricultural Economics Association, Portland, OR, 2007
24. Biofuel, Food & Feed Tradeoffs, USA and Farm Foundation, St. Louis, MO, 2007
25. Annual Meeting of the Allied Social Science Association, New Orleans, LA, 2007
26. The 10<sup>th</sup> GTAP Conference, Purdue University, West Lafayette, Indiana, 2007
27. Annual Meeting of the American Agricultural Economics Association, Long Beach, CA, 2006
28. Annual Meeting of the American Agricultural Economics Association, Providence, RI, 2005
29. World Trade Organization Impacts on U.S. Farm Policy, New Orleans, LA, 2005
30. The Heartland Environmental & Resource Economic Workshop, Iowa State Uni., IA, 2005
31. Annual Meeting of the American Agricultural Economics Association, Long Beach CA, 2002
32. The Heartland Environmental & Resource Economic Workshop, Iowa State Univ., IA, 2002
33. Economic Research Forum, Morocco, 1998

## **Graduate Students**

### ***A. Committee Member of Graduate Students***

- Xin Zhao (Current Ph.D. Student)
- Guolin Yao (Current Ph.D. Student, Co-Chair)
- Harrison H Mahaffey (MS. Student, Graduated, 2016)
- Luis M. Pena Levano (Current Ph.D. Student, Co-Chair)
- Hawley Campbell (MS. Student, University of Alberta, Graduated 2015)
- Sunil Dhoubhadel (Ph.D. Student, University of Nebraska-Lincoln, Graduated, 2015)
- Amanda C. Bittner (MS. Student, Graduated, 2014)
- Liang Li (Ph.D. Student, Graduated, 2014)
- Krissana Treesilvattanakul (Ph.D. student, Graduated, 2013)
- Julie Fiegel (MS. Student, Graduated, 2012)
- Guzel Akhmadullina (MS. Student, Graduated, 2011)
- Chris Bartol (MS. Student, Graduated, 2011)

### ***B. Consulting with Graduate Student***

The following students have developed a major portion of their research studies in collaboration with Dr. Taheripour:

- Jing Liu (Ph.D. Student, Expected Graduation 2014)
- Dileep Birur (Graduated Ph.D. in Agricultural Economics, 2010)
- Jayson Beckman (Graduated Ph.D. in Agricultural Economics, 2008)
- Shisheng Huang (Graduated Ph.D. in Chemical Engineering, 2011)
- Bri-Mathias Hodge (Graduated Ph.D. in Chemical Engineering, 2010)

### **Memberships in Professional Societies**

1. Member of the International Association for Energy and Economics
2. Member of the United States Association for Energy and Economics
3. Member of the Agricultural and Applied Economics Association
4. American Geology Union

### **Important Honors and Awards**

1. Outstanding Selected Research Paper, Award of Excellence, The Latin American Section, American Agricultural Economics Association, July 2015
2. AG Research Spotlight, College of Agricultural, Purdue University, August 2015
3. Outstanding Ph. D. Dissertation, 2006, Department of Consumer and Agricultural Economics, University of Illinois at Urbana-Champaign.
4. Ranked as an excellent teacher by students, Fall 2005, "Incomplete List of Teachers Ranked as Excellent by Their Students" University of Illinois at Urbana-Champaign.
5. Ranked as an excellent teacher by students, Spring 2005, "Incomplete List of Teachers Ranked as Excellent by Their Students" University of Illinois at Urbana-Champaign.
6. Competitive Scholarship Awards from the Environmental Council, and the program for Environmental and Resource Economics (pERE) for Summer 2001, Spring 2003, Spring-Summer 2004, Spring 2005.
7. Teaching Enhancement Grant for ACE 261: Statistic for Agricultural and Consumer Economics, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Fall 2002, Fall 2003, and Fall 2005.
8. Case Study Grant for ACE 355: International Trade in Food and Agriculture, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Summer 2004.
9. Competitive Scholarship Awards from the PBO of Iran for 1986-1989.

### **Languages**

English (fluent), Arabic (reading), and Farsi (native speaker)

Presented by Farzad Taheripour. Published by Marlene Kelley Modified over 2 years ago. Embed. Download presentation. Copy to clipboard. Similar presentations. More. Presentation on theme: "Presented by Farzad Taheripour" Presentation transcript Author Information Farzad Taheripour (tfarzad@purdue.edu) is Research Associate Professor, Department of Agricultural Economics, Purdue University, West Lafayette, IN. Wallace E. Tyner (wtyner@purdue.edu) is James and Lois Ackerman Professor, Department of Agricultural Economics, Purdue University, West Lafayette, IN. Taheripour, Farzad; Tyner, Wallace E.; Sajedinia, Ehsanreza; Aguiar, Angel; Chepeliev, Maksym; Corong, Erwin; de Lima, Cicero Z.; Haqiqi, Iman. 2020. Water in the Balance : The Economic Impacts of Climate Change and Water Scarcity in the Middle East. World Bank, Washington, DC.