

JADWIGA (JAD) R. ZIOLKOWSKA

The University of Oklahoma
Geography and Environmental Sustainability
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RESEARCH AND TEACHING FIELDS

Environmental Economics
Water and Energy Economics
Natural Resource and Agricultural Economics
Mathematical Methods and Programming

Biofuels, Renewable Energy
Sustainability and Food Waste
Decision Making under Uncertainty
Geospatial and Spatio-temporal Analysis

APPOINTMENTS AND PROFESSIONAL AFFILIATIONS

University of Oklahoma, Dept. of Geography and Environmental Sustainability
Associate Professor, since 2018
Assistant Professor, 2014 – 2018

University of Texas at Austin, BEG, Center for Sustainable Water Resources
Postdoctoral Researcher, 2013 – 2014

University of California at Berkeley, Dept. of Agricultural & Resource Economics
Postdoctoral Scholar, 2009 – 2012

Humboldt University of Berlin, Dept. of Agricultural Economics
Postdoctoral Research Associate, 2007 – 2009

EDUCATION AND RESEARCH

Habilitation degree in Agricultural Policy, 2013
Humboldt University of Berlin

PhD in Agricultural Economics (with distinction), 2007
Humboldt University of Berlin

MSc in Economics (with highest distinction), 2004

Pedagogy study and certified teaching qualifications (with highest distinction), 2004
University of Rzeszow, Poland

Studies in Economics and research towards MSc
Technical University of Berlin, Germany, 2002 – 2003

SELECTED PUBLICATIONS SINCE 2008

BOOKS

Ziolkowska, J.R.; Peterson, J.M. (eds.) (2016): *Competition for Water Resources: Experiences and Management Approaches in the US and Europe*. Elsevier: Cambridge, MA

Ziolkowska, J.R. (2013): *Fuzzy Multi-Criteria Evaluations in Complex Decision Systems. How to Deal with Uncertainties in Biofuels Policies – Sustainability Study for Biofuels Feedstocks in the US*. Shaker Publisher: Aachen

Ziolkowska, J. (2007): *Agro-Environmental Policy in Poland after the Accession to the European Union: Evaluation and Design Approaches and Case Study for the Region Subcarpathia*. Shaker Publisher: Aachen

REFEREED ARTICLES IN JOURNALS

Ziolkowska, J.R. (2018): Economic value of environmental and weather information for agricultural decisions – A case study for Oklahoma Mesonet. *Agriculture, Ecosystems and Environment* 265: 503-512.

Ziolkowska, J.R.; Zubillaga, J. (2018): Importance of Weather Monitoring for Agricultural Decision-Making – An Exploratory Behavioral Study for Oklahoma Mesonet. *Journal of the Science of Food and Agriculture* (Published online 3/25/2018).

- Ziolkowska, J.R.; Fiebrich, C.A.; Carlson, J.D.; Melvin, A.D.; Sutherland, A.J.; Kloesel, K.; McManus, G.D.; Illston, B.G.; Hocker, J.E.; Reyes, R. (2017): Benefits and Beneficiaries of the Oklahoma Mesonet – A Multisectoral Ripple Effect Analysis. *Weather, Climate and Society* 9(3): 499-519
- Ziolkowska, J.R.; Reyes, R. (2017): Groundwater Level Changes due to Extreme Weather - An Evaluation Tool for Sustainable Water Management. *Water* 9(2) 117
- Ziolkowska, J.R. (2017): Profitability of Irrigation and Value of Water in Oklahoma and Texas agriculture. *International Journal of Water Resources Development*. DOI: 10.1080/07900627.2017.1353410
- Ziolkowska, J.R. (2017): Economic and Environmental Costs of Agricultural Food Losses and Waste in the US. *International Journal of Food Engineering* 3(2): 140-145
- Ziolkowska, J.R., Reyes, R. (2016): Geospatial Analysis of Desalination in the US - An Interactive Tool for Socio-Economic Evaluations and Decision Support. *Applied Geography* 71: 115-122
- Ziolkowska, J.R.; Reyes, R. (2016): Geological and Hydrological Visualization Models for Digital Earth Representation. *Computers & Geosciences* 94: 31-39
- Ziolkowska, J.R.; Ziolkowski, B. (2016): Effectiveness of Water Management in Europe in the 21st Century. *Water Resources Management* 30: 2261-2274
- Ziolkowska, J.R.; Reyes, R. (2016): Impact of Socio-Economic Growth on Desalination in the US. *Journal of Environmental Management* 167: 15-22
- Ziolkowska, J.R. (2016): Desalination Leaders in the Global Market – Current Trends and Future Perspectives. *Water Science and Technology: Water Supply* 16.3: 563-578
- Ziolkowska, J.R. (2016): Socio-Economic Implications of Drought in the Agricultural Sector and the State Economy. *Economies* 4(19): 1-11
- Ziolkowska, J.R. (2015): Is Desalination Affordable? – Regional Cost and Price Analysis. *Water Resources Management* 29(5):1385-1397
- Ziolkowska, J.R. (2015): Shadow Price of Water for Irrigation – A Case of the High Plains. *Agricultural Water Management* 153: 20-31
- Ziolkowska, J.R.; Ziolkowski, B. (2015): Energy Efficiency in the Transport Sector in the EU-27: Dynamic Dematerialization Analysis. *Energy Economics* 51: 21-30
- Ziolkowska, J.R. (2014): Prospective Technologies, Feedstocks and Market Innovations for Ethanol and Biodiesel Production in the US. *Biotechnology Reports* 4: 94-98
- Ziolkowska, J.R. (2014): Optimizing Biofuels Production in an Uncertain Decision Environment: Conventional vs. Advanced Technologies. *Applied Energy* 114: 366-376
- Ziolkowska, J.R., Simon, L. (2014): Recent Developments and Prospects for Algae-Based Fuels in the US. *Renewable & Sustainable Energy Reviews* 29: 847-853
- Ziolkowski, B., Ziolkowska, J. (2014): Effectitions – A New Trend in Sustainable Innovations. *International Journal of Business and Management Studies* 3(3): 473-479
- Ziolkowska, J.R. (2013): Evaluating Sustainability of Biofuels Feedstocks: A Multi-Objective Framework for Supporting Decision Making. *Biomass & Bioenergy* 59: 425-440
- Ziolkowska, J.R., Ziolkowski, B. (2011): Product Generational Dematerialization Indicator: A Case of Crude Oil in the Global Economy. *Energy (Elsevier Journal)* 36: 5925-5934
- Ziolkowska, J.R. (2011): Fuzzy Multi-Criteria Framework for Supporting Biofuels Policy Making. *International Journal of Science, Engineering and Technology* 59: 341-345
- Ziolkowska, J.; Simon, L. (2011): Biomass Ethanol Production Faces Challenges. *ARE Update* 14(6): 5-8
- Ziolkowska, J.; Simon, L. (2011): Environmental Implications of Biofuels – Theoretical and Empirical Analysis for the EU and US. *Journal of the Japan Institute of Energy* 90(2): 177-181
- Ziolkowska, J.; Meyers, W.H.; Meyer, S.; Binfield, J. (2010): Targets and Mandates: Lessons Learned from EU and US Biofuel Policy Mechanisms. *AgBioForum* 13(4): 398-412
- Ziolkowska, J.; Ziolkowski, B. (2010): Generational Dematerialization of Energy in the World Economy: Evaluation Approach for Sustainable Management Policy. *Journal of Environmental Assessment Policy and Management* 12(3) (September 2010): 291-309
- Ziolkowska, J.; Simon, L. (2010): Environmental Benefits, Challenges and Valuation of Biofuels Policy. *Journal of Biofuels* 1(1): 57-66
- Ziolkowska, J. (2010): Implications of Structural Policies on the Wheat Market – Comparative Static and Dynamic Analysis for the EU and US. *Journal of Agricultural Research and Development* 9(2): 97-115

- Ziolkowska, J. (2010): Impact of Environmental Objectives on Optimal Budget Allocation for Agri-Environmental Measures – A Case Study for Poland. *Agricultural Economics Research Review* 23 (July-December 2010): 233-244
- Ziolkowska, J.; Ziolkowski, B. (2010): Sustainable Development in the European Union: Tools for Policy Evaluation. *Annals of the University of Petrosani – Economics* 10(3): 373-382
- Ziolkowska, J. (2009): Environmental Benefit, Side Effects, and Objective-Oriented Financing of Agri-Environmental Measures. *International Journal of Economic Sciences and Applied Research* 2(1): 71-88
- Ziolkowska, J. (2009): Importance of Regional Preferences for Decision-Making in Agri-Environmental Policy. *Journal of Rural Development* 28 (2): 185-198
- Ziolkowska, J.; Jechlitschka, K.; Kirschke, D. (2009): Global Implications of National Price Policies on the Wheat Market – Quantitative Assessment of World Market Effects. *Agricultural Economics – Czech (Zemědělská ekonomika)* 55(10): 475-480
- Ziolkowska, J. (2009): Modelling and Financing of Agri-Environmental Measures: Assessment of Regional Preferences in Poland. *Economics and Applied Informatics* 15: 259-266
- Ziolkowska, J. (2009): Economic Challenges and Ecological Effectiveness of Agri-Environmental Measures in Poland. *Ecology and Future* 8(3): 3-8
- Ziolkowska, J. (2009): Environmental Indicators for Rural Areas – Sustainable Potential in the New and Old EU Member States. *Annals of the University of Petrosani – Economics* 9(2): 335-346
- Ziolkowska, J. (2008): Evaluation of Agri-Environmental Measures: Analytic Hierarchy Process and Cost-Effectiveness Analysis for Political Decision-Making Support. *International Journal of Rural Management* 4(1-2): 1-24
- Ziolkowska, J.; Ziolkowski, B. (2008): Eco-Innovations in Europe – State and Development Prospects. *International Journal of Management Practice* 3(1): 20-30
- Ziolkowska, J. (2008): Designing Agri-Environmental Measures for Maximal Environmental Benefit: Linear Programming Approach for Poland. *Economics and Rural Development* 4(2): 35-44
- Ziolkowska, J.; Ziolkowski, B. (2008): Competitiveness of the Polish and the European Economy – Structural Analysis and Effects of the EU Enlargement. *Social Researches* 3 (13): 197-205
- Ziolkowska, J. (2008): National Agri-Environmental Programme 2004-2006 for Poland: Evaluation by Agricultural Experts, Agri-Environmental Advisors and Farmers. *Economics and Rural Development* 3 (2): 37-42

ARTICLES IN BOOKS AND CONFERENCE PROCEEDINGS (* - graduate student)

- Ziolkowska, J.R.: Desalination Costs and Economic Feasibility. In: Bazargan, A. (ed.) (2018): *A Multidisciplinary Introduction to Desalination*. Rivers Publisher: US, p. 575-596
- Hardersen, N.*; Ziolkowska, J.R. (2018): Economic and Environmental Costs of Meat Waste in the US. In: Bogueva, D.; Marinova, D.; Raphaely, T. *Handbook of Research on Social Marketing and Its Influence on Animal Origin Food Product Consumption*. IGI Global: US, p. 58-76
- Ziolkowska, J.R. (2018): Introduction to Biofuels and Potentials of Nanotechnology. In: Srivastava, N.; Srivastava, M.; Pandey, H.; Mishra, P.K.; Ramteke, P.W. *Green Nanotechnology for Biofuel Production*. Series: Biofuel and Biorefinery Technologies. Springer: Switzerland, p. 1-15
- Ziolkowska, J.R.; Reyes, R. (2016): Prospects for Desalination in the US – Experiences from California, Florida and Texas. In: Ziolkowska, J.R.; Peterson, J.M. (eds.): *Competition for Water Resources: Experiences and Management Approaches in the US and Europe*. Elsevier: Cambridge, MA, p. 298-316
- Ziolkowski, B.; Ziolkowska, J.R. (2016): Product, Process and Organizational Innovations in Water Management. In: Ziolkowska, J.R.; Peterson, J.M. (eds.): *Competition for Water Resources: Experiences and Management Approaches in the US and Europe*. Elsevier: Cambridge, MA, p. 403-422
- Meyers, W.H.; Ziolkowska, J.R. (2013): Biofuels and Agricultural Markets. In: Segre', A.; Vittuari, M. (eds.): *Il libro verde dello spreco in Italia: l'energia (The Green Book on Energy Waste in Italy)*. Edizioni Ambiente: Milano, p. 54-68
- Ziolkowska, J.R.; Meyers, W.H. (2012): Sustainable Development Strategies for Future Societies - Patterns, Policies and Challenges for the Agricultural Sector in the EU and US. In: Lapka, M.; Cudlínova, E. (eds.): *Towards an Environmental Society? Concepts, Policies, Outcomes*. Karolinum Press: Praha, p. 133-153
- Meyers, W.H.; Ziolkowska, J.R. (2012): The CAP from a Global Agriculture Perspective. In: Kowalski, A.; Wigier, M.; Dudek, M. (eds.): *Proposals for CAP 2013+ and Competitiveness of Food Sector and Rural Areas*. Institute of Agricultural and Food Economics: Warsaw, p. 27-37
- Meyers, W.H.; Ziolkowska, J.R.; Tothova, M.; Goychuk, K.* (2012): Issues Affecting the Future of Agriculture and Food Security for Europe and Central Asia. *UN FAO Policy Studies on Rural Transition* 2012-3, p. 173

- Ziolkowska, J.; Simon, L. (2010): Environmental Effects and Implications of Biofuels in the EU and US – Theoretical Framework and Empirical Analysis. In: Labar, K.; Petrick, M.; Buchenrieder, G. (eds.): Challenges of Education and Innovation for Agricultural Development. *Studies on the Agricultural and Food Sector in Central and Eastern Europe* 56, p. 79-88
- Chauhan, B. S.; Kumar, N.; Jun, Y.-J.; Ziolkowska, J. (2010): Feasibility Study of Vegetable Oil as a Potential Fuel for Diesel Engine. Proceeding of the Conference of the Korean Society of Automotive Engineers. Kongju National University, Cheonan, p. 65-70
- Ziolkowska, J.; Simon, L. (2009): Environmental Benefits, Challenges and Valuation of Biofuels Policy. In: Sharma, P.B.; Kumar, N. (eds.): *New Frontiers in Biofuels*. Scitech Publications (India) PVT. Ltd.: Chennai, p. 162-173
- Ziolkowska, J. (2009): Hierarchical Network Modelling and Multicriteria Analysis for Agri-Environmental Measures in Poland. In: Schaft, F.; Balmann, A. (eds.): Multi-level Processes of Integration and Disintegration. *Studies on the Agricultural and Food Sector in Central and Eastern Europe* 52, p. 168-178
- Ziolkowska, J. (2008): Identifying Effective Financing Strategies for Agri-Environmental Measures and Conflicts between Environmental Objectives. In: Tsounis, N. et al. (eds.) Proceedings of the International Conference on Applied Economics 2008. TEI of Western Macedonia Press, p. 953-958
- Ziolkowska, J. (2008): Agri-Environmental Measures in Poland after the Accession to the European Union – Chances, Challenges and Objective-Oriented Financing from a Regional Perspective. In: Schäfer, C., Rupschus, C.; Nagel, U.-J. (eds.): *Enhancing the Capacities of Agricultural Systems and Producers*. Weikersheim, Margraf Publishers, p. 308-314

OTHER PUBLICATIONS

- Ziolkowska, J.R.; Reyes, R. (2016): Invitation to showcase our interactive research models on Cesium.
<https://cesiumjs.org/demos/Desalination/>
<https://cesiumjs.org/demos/GlobalSubsurface/>
<https://cesiumjs.org/demos/TXGeothermal/>
<https://cesiumjs.org/demos/TexasGroundwater/>
- Ziolkowska, J.R. (2016): Wasted Food. *Junge Akademie Magazin* 22: 14-15 (in English and German)
- Ziolkowska, J.R. (2016): How Can We Solve Water Problems on Earth? p. 25-26. In: Riemer, A. et al. (eds.) (2016): *New Grounds in Science in 2017 – Research Questions by Junior Scholars*. Thorbecke: Germany (in German)
- Ziolkowska, J.R. (2015): Inevitable Disasters. *Junge Akademie Magazin* 19: 18-19 (in English and German)
- Ziolkowska, J.R. (2014): Sustainable Path to Knowledge? Research Trips and the Environment – A Critical Perspective. *Junge Akademie Magazin* 17: 10 (in English and German)
- Ziolkowska, J.R. (2013): Environmental Technology – An Example of Growing Success. *Junge Akademie Magazin* 16: 9 (in English and German)
- Ziolkowska, J.R. (2012): Ideen fuer eine Nachhaltige Forschung von Morgen (Ideas about Sustainable Research of the Future) In: *Junge Akademie & Stifterverband fuer die deutsche Wissenschaft: Ideen fuer eine nachhaltige Hochschule von morgen*: 23-25, E-Paper: <http://epaper.unigestalten.de/category/nachhaltigkeit/>

TEACHING

University of Oklahoma

- GEOG 4970/5970: OU Presidential Dream Course ‘Water for a Thirsty World’, Spring 2016
- GEOG 4963/5963: Natural Resource Economics, Fall 2017
- GEOG 4970/5970: Natural Resource Economics, Fall 2015-2017
- GEOG 5253: Economics of Sustainability, Spring 2015-2017
- GEOG 5143: Ecosystem Services – Economic and Environmental Valuation, Fall 2014-2017
- GEOG 5990: Independent Study, Summer 2017
- GEOG 4990: Independent Study, Fall 2015
- GEOG 4953: Capstone in Geography, GIS and Environmental Sustainability, Spring 2017
- GEOG 3890: Honors class, Fall 2015
- GEOG 3563: Geography of Natural Resources, Spring 2015

Humboldt University of Berlin

- Natural Resource & Renewable Energy Economics and Policy, Instructor, Summer 2012
- Market and Policy Analysis, Instructor & teaching assistant, Spring 2012, Fall 2011, Spring 2007, Fall 2006
- Scientific Working, Instructor, Fall 2006

University of Missouri, Columbia

- Advanced Market and Price Analysis, Guest lecture, 04/2012

STUDENT SUPERVISION

University of Oklahoma (since 2014)

1 Postdoctoral researcher

Committee Chair

2 PhD students, 3 MSc students

Student Advisor and Committee Member

4 PhD students, 4 MSc students, 11 BSc students

Humboldt University of Berlin (2006-2016)

Committee Co-Chair and Advisor, 2012-2016

4 students in 'Integrated Natural Resource Management' and 'Agricultural Economics'

Advisor (8 students) and **Reviewer and MSc committee member** (3 students), 2006-2016

Students in International MSc Program 'Integrated Natural Resource Management'

Advisor (19 students), **Reviewer of MSc theses** (9 students), and **MSc thesis committee member** (6 students)

Students in International MSc Program 'Agricultural Management' and 'Agricultural Economics', 2006-2009

Reviewer of MSc theses (3 students)

Students in International MSc Program 'Rural Development', EU Program in cooperation with Ghent University (Belgium), University of Cordoba (Spain), National Higher Agricultural Education Institute of Rennes (France), University of Pisa (Italy), Wageningen University (the Netherlands), Slovak Agricultural University in Nitra (Slovakia), 2007-2008

RESEARCH GRANTS

US Department of Interior/ USGS, Improving Resilience for the Rio Grande Coupled Human-Natural System (2015-2017) (\$751,571) - Co-PI

German Academy of Sciences, Economics of Food Waste in the US and Europe (2016-2017) (\$10,000) - PI

European Commission, EU Marie Curie Fellowship, Postdoctoral research grant, University of California at Berkeley, Humboldt University of Berlin (2009-2012) (\$300,000) - PI

German Federal Environmental Foundation, PhD grant, Humboldt University of Berlin (2005-2007) (\$39,000) - PI

KAAD, MSc research grant, Technical University of Berlin (2002-2003) (\$4,000) - PI

HONORS/AWARDS

Selected to 2017 OU Faculty Leadership Academy by Senior Vice President and Provost and Vice President for Research, University of Oklahoma (2017)

Author Achievement/Publication Award, BEG, University of Texas at Austin (2014)

Research Award for Outstanding Young Researchers, Mayor of Berlin/German Academy of Sciences (2013) (\$13,700)

Best Paper Award, North American Fuzzy Information Processing Society Conference, Berkeley, CA (2012)

Elected fellow of the German Young Academy of Sciences, sponsored by German National Academy of Sciences Leopoldina and Berlin-Brandenburg Academy of Sciences (2012-2017) (\$34,000)

Distinction award for the top graduates, President of the University of Rzeszow (2004)

Independent study, University of Rzeszow (2003-2004)

Award for the most distinguished students in the country, Polish Education Minister (2001-2002, 2002-2003)

Award for excellent study results, University of Agriculture in Krakow (2000-2001)

SCHOLARSHIPS/OTHER GRANTS

University of Oklahoma, Presidential Dream Course (2015) (\$20,000)

UT Austin, BEG, Conference presentation in Washington DC (2013) (\$1,800)

DAAD, Conference presentation in Brazil (2012) (\$1,600)

World Bank, Conference presentation in Egypt (2009) (\$700)

EU grants, Conference presentations in Germany (2007-2010)

AAEA and IAAE, Conference presentation in Australia (2006) (\$1,400)

German Ministry for Education and Research, Summer School grant (2008)

FAZIT Foundation, Conference presentations in Spain and Belgium (2008) (\$1,500)

H. Wilhelm Schaumann Foundation, Conference presentations in Greece and the Netherlands (2007, 2008) (\$700)

Humboldt University of Berlin, Conference presentation in Australia and Spain (2006, 2008) (\$1,200)

FAZIT Foundation/ Humboldt University of Berlin, Grant for the print costs of the dissertation thesis (2007) (\$1,300)

German Federal Environmental Foundation, Conference presentations in Germany and abroad (2005-2007) (\$1,400)

PROJECT MANAGEMENT

University of Oklahoma

Faculty team member for National Science Foundation (NSF) EPSCoR project ‘Adapting Socio-ecological Systems to Increased Climate Variability’ (2014-2018)

Lead economist on the US DOI/ USGS grant ‘Improving Resilience for the Rio Grande Coupled Human-Natural System’ (2015-2018)

Principal investigator on a collaborative project “Economics of Food Waste in the US and Europe” sponsored by on German Academy of Sciences (2017)

University of California at Berkeley, Humboldt University of Berlin

Principal investigator, Development of a framework for managing uncertain decisions in agricultural and environmental policies – Towards an integrated policy for decision-making support in rural areas (2009-2012)

Leibniz Institute for Agricultural Engineering, Potsdam-Bornim

Energy efficiency in agriculture - EU AGREE project; Organizer and manager: Expert workshop, Berlin (2012/2013)

Humboldt University of Berlin

Creation of an interactive digital teaching and learning system for policy analysis of agricultural markets for International Master Study Programs (2007-2008)

Dynamic effects in the interactive digital teaching and learning system for policy analysis of agricultural markets for International Master Study Programs (2008)

Organizer and manager: EU Marie Curie Summer School ‘Agricultural Policy Analysis’ (2008)

Institute for Natural Protection and Technologies, Berlin

Scientific film: ‘Effective Micro Organisms in Norway’, Berlin 2005 (with J. Leuschner) and case study on organic farming in Norway (Co-author, project assistant, translator, and synchronic speaker)

Polish-German Course for young farmers ‘Ecological innovations’, Centre for Agricultural Advisory, Sielinko, Poland (2003) (Teaching assistant)

Scientific film ‘Effective Micro organisms (EM) technology in Thailand’ (2002) (Project assistant, co-manager, translator, and synchronic speaker)

INTERNATIONAL RESEARCH PROJECTS

German Academy of Sciences/ German Young Academy, ‘Economics of Food Waste in the US and Europe’, 2016-17

Economic Research Institute, Halle/Saale, Germany, ‘Entrepreneurship development in the border region’, 8-9/2004

Technical University of Berlin, ‘Knowledge management’, 10/2002-6/2003

Bertelsmann Foundation, Gütersloh, Germany, ‘Innovative communication instruments for libraries’, 7-9/2002

Imperial College London, ‘Farming and banking services’, 4/2002

Katholieke Universiteit Leuven, Belgium, ‘Milk sector in the EU’, 7-8/2001

PEER-REVIEWED PRESENTATIONS (single author and/or first author presentations)

AAEA Annual Meeting, Washington, DC, August 2018

CaribDA 2018 Biennial Conference and Exposition, Curacao, May/June 2018

4th International Conference on Food and Agricultural Engineering, Lisbon, Portugal, May 2018

UF Water Institute Symposium, University of Florida, Gainesville, FL, February 2018

AWRA Annual Water Resources Conference, Portland, OR, November, 2017

XVI World Water Congress, Cancun, Mexico, May 2017

AWWA Sustainable Water Management Conference, New Orleans, LA, March 2017

International Conference on Food and Environmental Sciences, Hanoi, Vietnam, February 2017

Southern Agricultural Economists Association, Mobile, AL, February 2017

International Water Association Conference, Belgrade, Serbia, June 2016

World Environmental & Water Resources Congress, West Palm Beach, FL, May 2016

AWRA Annual Water Resources Conference, Anchorage, AK, April, 2016

AWRA Annual Water Resources Conference, Denver, CO, November, 2015

CANUSSEE Conference, Vancouver, Canada, October 2015

World Environmental & Water Resources Congress, Austin, TX, May 2015

National Added-Value Agriculture Conference, Austin, TX, May 2015

EAAE Meeting, Ljubljana, Slovenia, August 2014

AAEA Annual Meeting, Minneapolis, MN, July 2014

AEA/ASSA Annual Meeting, Philadelphia, PA, January 2014
 AGU Annual Meeting, San Francisco, CA, December 2013
 AAEA Annual Meeting, Washington DC, August 2013
 North American Fuzzy Information Processing Society conference, Berkeley, CA, August 2012
 Western Economic Association International conference, San Francisco, CA, June/July 2012
 129th EAAE Seminar: Valuation Methods in Agro-food and Environmental Economics, Barcelona, July 2012
 International Conference on Fuzzy Systems and Neural Computing, Paris, November 2011
 European Association of Agricultural Economists Conference, Zurich, Switzerland, August/September 2011
 International Renewable Energy Conference, Yokohama, Japan, June/July 2010
 14th ICABR (International Consortium on Applied Bioeconomy Research) Conference, Ravello, Italy, June 2010
 International Conference on Social Sciences, Honolulu, HI, June 2010
 4th MACE Conference (Modern Agriculture in Central and Eastern Europe), Berlin, Germany, January 2010
 1st International Conference on New Frontiers in Biofuels, New Delhi, India, January 2010
 27th International Conference of Agricultural Economists, Beijing, China, August 2009
 83rd Annual Conference of the Agricultural Economics Society, Dublin, Ireland, March/April 2009
 International Initiative for Impact Evaluation conference, Cairo, Egypt, March/April 2009
 3rd MACE Conference, Berlin, Germany, January 2009
 12th Conference of the European Association of Agricultural Economists, Ghent, Belgium, August 2008
 107th European Association of Agricultural Economists Seminar, Seville, Spain, January/February 2008
 International Conference on Applied Economics, Kastoria, Greece, May 2008
 2nd MACE-Conference, Berlin, Germany, January 2008
 22nd Conference of European Society of Rural Sociology, Wageningen, Netherlands, August 2007
 International Scientific Conference on Rural Development, Jelgava, Latvia, April 2007
 1st MACE-Conference, Berlin, Germany, January 2007
 26th Conference of the International Association of Agricultural Economists, Gold Coast, Australia, August 2006
 7th International Farming System Association -Symposium, Wageningen, Netherlands, May 2006
 CHANNEL Conference in the 6th EU Framework Program, Budapest, Hungary, April 2006
 11th Conference of European Association of Agricultural Economists, Copenhagen, Denmark, August 2005

INVITED GUEST SPEAKER/ ORGANIZED SESSIONS/ OTHER PRESENTATIONS

Invited guest speaker, The Oka' Institute, East Central University, Ada, OK, July 2018
 Invited session facilitator, Advancing Sustainability of US – Mexico Transboundary Drylands: A Binational Workshop, The National Academies of Sciences, Engineering and Medicine, San Luis Potosi, Mexico, May 2018
 NSF Oklahoma EPSCoR annual meeting, Oklahoma City, OK, April 2018
 Invited guest speaker, West Virginia University, Regional Research Institute/ Institute of Water Security and Science, Morgantown, WV, April 2018
 Presenter and panelist, Rio Grande Forum, University of Texas at El Paso, TX, November 2017
 NSF Oklahoma EPSCoR annual meeting, Oklahoma City, OK, April 2017
 Western Economic Association International, Santiago, Chile, January 2017
 International Conference of Agricultural Economists, Milan, Italy, August 2015
 AAEA Annual Meeting, San Francisco, CA, July 2015
 International Conference for Academic Disciplines, Vienna, Austria, April 2014
 AAEA Annual Meeting, Seattle, WA, August 2012
 28th International Conference of Agricultural Economists, Foz do Iguacu, Brazil, August 2012
 AAEA Annual Meeting, Denver, CO, July 2010
 Association for Projects in Ecology, Agriculture and Development of Rural Areas, Neuseddin, Germany, July 2008, 2007

REFEREE AND COORDINATOR ACTIVITIES

Reviewer and panelist for National Science Foundation (2018)
 Reviewer for the National Academies of Sciences, Engineering, and Medicine's Board (2018)
 Planning Committee member, Earth Month 2018, University of Oklahoma (2017-2018)

Co-editor

International Journal of Advance Research and Innovation (since 2011)

Referee

American Journal of Agricultural Economics, Energy Elsevier Journal; Energy Policy; Environmental and Resource Economics; Journal of Agriculture and Applied Economics; Economics and Applied Informatics, Water Resources Management, Journal of Environmental Management; Biofuels, Bioproducts & Biorefining, Water Resources Research (AGU journal), Earth and Space Science News (AGU)

Reviewer for a Taylor & Francis Group/ CRC Press book (2017) and an Elsevier book (2016)

Member of the Scientific Committee and Reviewer for 2016 PROMETHEE Days, Montreal, Canada (Spring 2016)

GEWISOLA (German Association of Agricultural Economics and Social Sciences) annual meeting (2016, 2017)

Selected papers at the International Association of Agricultural Economists Conference in Beijing, China (2009)

Session chair and discussant

Agricultural and Applied Economics Association, Washington DC (2018), San Francisco, CA (2015), Minneapolis, MN (2014) – session moderator

American Geophysical Union, San Francisco, CA (2013) – session chair and student paper competition judge leader

Western Economic Association International, San Francisco, CA (2012) – session chair and discussant

129th EAEE Seminar: Valuation Methods in Agro-food and Environmental Economics, Barcelona (2012) – session chair and discussant

International Conference for Fuzzy Systems and Neural Computing, Paris (2011) – session chair

International Conference on Social Sciences, Honolulu (2010) – session chair

SELECTED SEMINARS/MEETINGS

Panelist, Earth Month, Water Usage in Oklahoma, University of Oklahoma (2017)

Presentation at 37th Oklahoma Governors Conference and Water Symposium, Norman, OK (2016)

Invited guest speaker, Earth Month Sustainability Symposium, University of Oklahoma (2016)

Presentation at 36th Oklahoma Governors Conference and Water Symposium, Norman, OK (2015)

Research seminar, Texas Christian University – Desalination - A Solution for a Growing Water Demand? (2015)

Presentation, Big 12 Water Conference, Lawrence, KS, Desalination for Mitigating Water Scarcity (2014)

Research seminar, University of Oklahoma, Economics Dept. – Perspectives for advanced biofuels (2014)

Presentation, Texas Water Development Board, Water Desalination – Experiences in the World and in Texas (2014)

Presentation, Water Forum III: Droughts and Other Extreme Weather Events, University of Texas at Austin (2013)

Poster presentation, Water for Food Conference, University of Nebraska, Lincoln (2013)

Research seminar, University of Missouri, Ag. & Applied Economics Dept. (2012)

Research seminar, University of California at Berkeley, Ag. & Resource Economics Dept. (2011)

Annual Meeting of Agricultural & Applied Economics Association: Milwaukee, WI, Denver, CO, Pittsburgh, PA, Seattle, WA, Washington DC, Minneapolis, MN, San Francisco, CA, Boston, MA, Chicago, IL (since 2009),

Agricultural Economic Association/Allied Social Science Associations: Atlanta, GA, Chicago, IL, San Diego, CA, Philadelphia, PA (2010, 2012-2014)

AERE Annual Summer Conference, Asheville, NC (2012)

Annual Meeting of American Evaluation Association, Anaheim, CA (2012)

International conferences of agrarian ministers and East-West Agrarian Forum, Berlin (2005-2009)

Mentoring Skills Program, German Federal Environmental Foundation, Osnabrück, Germany (2007)

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Agricultural & Applied Economics Association (AAEA), American Economic Association (AEA), American Evaluation Association (AEA) (2011-2012), American Water Resources Association (AWRA), International Water Resources Association (IWRA), Association of Environmental and Resource Economists (AERE), Western Economic Association International (WEAI), American Geophysical Union (AGU), Southern Agricultural Economics Association (SAEA), International Association of Agricultural Economists (IAAE), European Association of Agricultural Economists (EAEE), European Association of Environmental and Resource Economists (EAERE), American Association of Geographers (AAG) (2017-2018), Agricultural Economics Society (AES) (2008-2009), European Society of Rural Sociology (2007-2008), Texas Desalination Association (2013-2014), German Association of Agricultural Economics and Social Sciences

LANGUAGES

English (fluent), German (fluent), Spanish, French (beginner), Polish (native)