

## CURRICULUM VITAE

### **Daniel Ryan Petrolia**

Professor  
Department of Agricultural Economics  
Mississippi State University

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*d.petrolia@msstate.edu*

Birthplace: New Orleans, LA

### CURRENT MAJOR RESPONSIBILITIES

Co-Editor, *Applied Economic Perspectives & Policy*

Instructor, AEC 8233

Major Advisor for 1 M.S. student; committee member for 1 Ph.D. student

Co-Chair, Program Committee, 2020 Alabama-Mississippi Bays & Bayous Symposium

Member, AEC Promotion & Tenure Committee

### EDUCATION

Ph.D., University of Minnesota, Agricultural and Applied Economics, May 2005

M.S., Louisiana State University, Agricultural Economics, August 2001

B.A., Louisiana State University, Political Science, May 1999  
*Cum laude, Phi Beta Kappa*

B.S., Louisiana State University, Poultry Science, May 1999  
*Cum laude, College Honors*

Exchange student, M.Sc. Program in International Agricultural Sciences, Humboldt University,  
Berlin, Germany, Summer 2001

### ACADEMIC APPOINTMENTS

Mississippi State University, Department of Agricultural Economics

Professor, August 2018-

Shackouls Honors College Faculty, January 2008-

Affiliate Faculty, School of Fisheries, Aquaculture, & Aquatic Sciences, Auburn  
University, Fall 2016-

Associate Graduate Faculty, Coastal Sciences, University of Southern

Mississippi, Fall 2017-  
Associate Professor, August 2012-August 2018  
Assistant Professor, August 2006-August 2012

University of Minnesota, Department of Applied Economics  
Postdoctoral Research Associate, July 2005-July 2006  
Teaching Assistant, September 2004-June 2005  
USDA National Needs Fellow, August 2001-August 2004

University of Wisconsin-River Falls, Department of Agricultural Economics  
Lecturer, January-December 2003

Louisiana State University, Department of Agricultural Economics & Agribusiness  
Research Assistant, August 1999-August 2001

#### EDITORIAL EXPERIENCE

Co-Editor, *Applied Economic Perspectives & Policy*, Jan. 2018-Dec. 2023

Guest Editor, *Natural Hazards Review*, 2019, 2013

Editorial Board, *Applied Economic Perspectives & Policy*, July 2015-Dec. 2017

Associate Editor, *Environmental and Natural Resource Economics: An Encyclopedia*. 2014. J. Whitehead and T. Haab, eds. Santa Barbara, CA: ABC-CLIO.

#### AWARDS

2020 Excellence in Teaching Award (Graduate Instruction), College of Agriculture & Life Sciences, Mississippi State University

2017 Outstanding Academic Alumnus Award, Dept. of Agricultural Economics & Agribusiness, Louisiana State University

2016 Research Impact Award, Mississippi Agricultural & Forestry Experiment Station (for article "Wind Insurance and Mitigation in the Coastal Zone" published in *Land Economics*)

2014 *Gamma Sigma Delta* Teaching Award, Mississippi State University

2012 *Gamma Sigma Delta* Research Award of Merit, Mississippi State University

2011 & 2010 State Pride Award, Mississippi State University

2010 Excellence in Teaching Award (Lower Division), College of Agriculture & Life Sciences, Mississippi State University

2007 Ph.D. Dissertation Award in Water Policy & Socioeconomics, Universities Council on Water Resources

2004 Policy Article Prize, Center for International Food & Agricultural Policy, Dept. of Applied Economics, University of Minnesota

USDA National Needs Fellowship, 2001-2004, Department of Applied Economics, University of Minnesota

2001 Outstanding M.S. Student, Dept. of Agricultural Economics & Agribusiness, Louisiana State University

#### MANUSCRIPTS IN REVIEW, WORKING PAPERS, AND RESEARCH IN PROGRESS

(graduate students and postdoctoral research associates indicated by \*)

Landry, C.E., D. Turner\*, and D.R. Petrolia. "Flood Insurance Market Penetration and Expectations of Disaster Assistance." Revise and resubmit.

Petrolia, D.R., S. Ishee, S. Yun, R. Cummings, and J. Maples. "Do Wind Hazard Mitigation Programs Affect Home Sales Values?" Under review.

Petrolia, D.R., W.C. Walton, and J. Cebrian. "Oyster Economics: Costs, Returns, and Ecosystem Benefits of Commercial Bottom Production, Commercial Off-Bottom Aquaculture, and Non-Harvested Reefs." Under review.

Dahal, R.P.\*, R.K. Grala, J.S. Gordon, I.A. Munn, and D.R. Petrolia. "Using Census Data to Observe Geospatial Heterogeneity in Monetary Values of Coastal Area Waterfronts." Under review.

Caffey, R.H., D.R. Petrolia, I. Georgiou, M. Miner, H. Wang, and B. Kime. "Economic and Geomorphic Comparison of Nearshore and OCS Sands for Barrier Island and Shoreline Restoration in Coastal Louisiana." In progress.

#### REFEREED AND INVITED JOURNAL ARTICLES (graduate students and postdoctoral research associates indicated by \*)

51. Petrolia, D.R., D. Guignet, J.C. Whitehead, C. Kent\*, K. Amon\*, and C. Caulder\*. "Nonmarket Valuation in the Environmental Protection Agency's Regulatory Process." Forthcoming, *Applied Economic Perspectives & Policy*.

50. Laird, H.\*, C. Landry, S. Shonkwiler, and D.R. Petrolia. "Riders on the Storm: Hurricane Risk and Coastal Insurance and Mitigation Decisions." Forthcoming, *Journal of Ocean and Coastal Economics*.

49. Petrolia, D.R., F. Nyanzu\*, J. Cebrian, A. Harri, J. Amato, and W.C. Walton. 2020. "Eliciting Expert Judgment to Inform Management of Diverse Oyster Resources for Multiple Ecosystem Services." *Journal of Environmental Management* 268 (August): 110676.
48. Petrolia, D.R. and J. Hwang\*. 2020. "Accounting for Attribute Non-Attendance in Three Previously-Published Choice Studies of Coastal Resources." *Marine Resource Economics* 35(3, July): 219-40.
47. Frimpong, E.\* , D.R. Petrolia, A. Harri, and J.H. Cartwright. 2020. "Flood Insurance and Claims: The Impact of the Community Rating System." *Applied Economic Perspectives & Policy* 42(2): 245-62.
46. Waters, P.J.\* , W.C. Walton, and D.R. Petrolia. 2020. "Participant Motivations for Joining an Extension Program." *Journal of Extension* 58(6): Article 3.
45. Petrolia, D.R., J. Penn, R. Quainoo\*, R.H. Caffey, and J.M. Fannin. 2019. "Know Thy Beach: Values of Beach Condition Information." *Marine Resource Economics* 34(4): 331-59.
44. Waters, P.J.\* , D.R. Petrolia, and W.C. Walton. 2019. "Do Oyster Gardening Programs Lead to Knowledge Changes?" *Journal of the National Association of County Agricultural Agents* 12(2, December): <https://www.nacaa.com/journal/index.php?jid=1003>.
43. Dahal, R.P.\* , R.K. Grala, J.S. Gordon, I.A. Munn, D.R. Petrolia, and R. Cummings. 2019. "A hedonic pricing method to estimate value of waterfront in the Gulf of Mexico." *Urban Forestry & Urban Greening* 41(May): 185-94.
42. Mutandwa, E.\* , R.K. Grala, and D.R. Petrolia. 2019. "Estimates of willingness to accept compensation to manage pine stands for ecosystem services." *Forest Policy and Economics* 102(May): 75-85.
41. Dahal, R.P.\* , R.K. Grala, J.S. Gordon, D.R. Petrolia, and I.A. Munn. 2018. "Estimating the Willingness to Pay to Preserve Waterfront Open Spaces using Contingent Valuation" *Land Use Policy* 78: 614-26.
40. Krah, K.\* , D.R. Petrolia, A. Williams, K.H. Coble, A. Harri, and R. Rejesus. 2018. "Producer Preferences for Contracts on a Risky Bioenergy Crop." *Applied Economic Perspectives & Policy* 40(2): 240-58.
39. Petrolia, D.R., M.G. Interis, and J. Hwang\*. 2018. "Single-Choice, Repeated-Choice, and Best-Worst Scaling Elicitation Formats: Do Results Differ and by How Much?" *Environmental & Resource Economics* 69(2): 365-93.
38. Petrolia, D.R., W.C. Walton, and L. Yehouenou\*. 2017. "Is There a Market for Branded Gulf of Mexico Oysters?" *Journal of Agricultural & Applied Economics* 49(1): 45-65.

37. Kim, T., J. Opaluch, D.S. Moon, and D.R. Petrolia. 2017. "Developing a Natural Resource Damage Assessment Procedure for Oil Spill Pollution in Korea using Habitat Equivalency Analysis." *Marine Pollution Bulletin* 121(1-2): 183-91.
36. Petrolia, D.R. 2016. "Risk Preferences, Risk Perceptions, and Risky Food." *Food Policy* 64: 37-48.
35. Interis, M.G. and D.R. Petrolia. 2016. "Location, Location, Habitat: How the Value of Ecosystem Services Varies Across Location and by Habitat." *Land Economics* 92(2): 292-307.
34. Haab, T.C., M.G. Interis, D.R. Petrolia, and J.C. Whitehead. 2016. "Interesting Questions Worthy of Further Study: Our reply to Desvousges, Mathews and Train's (2015) comment on our thoughts (2013) on Hausman's (2012) update of Diamond and Hausman's (1994) critique of contingent valuation." *Applied Economic Perspectives & Policy* 31(1): 183-9.
33. Petrolia, D.R., A. Collart, and L. Yehouenou\*. 2016 "Consumer Preferences for *Delacata* Catfish: A Choice Experiment with Tasting." *Journal of Food Distribution Research* 47(3): 84-100.
32. Interis, M.G., C. Xu\*, D.R. Petrolia, and K.T. Coatney. 2016. "Examining Unconditional Preference Revelation in Choice Experiments: A Voting Game Approach." *Journal of Environmental Economics & Policy* 5(1): 125-42.
31. Petrolia, D.R. J. Hwang\*, C.E. Landry, and K.H. Coble. 2015. "Wind Insurance and Mitigation in the Coastal Zone." *Land Economics* 91(2): 272-95. (Recipient of 2016 MAFES Research Impact Award)
30. Petrolia, D.R. 2015. "What Have We Learned from the *Deepwater Horizon* Disaster? An Economist's Perspective." *Journal of Ocean & Coastal Economics* 2014(1): Article 1. (Invited)
29. Sun, C., J.C. Mingie\*, D.R. Petrolia, and W.D. Jones. 2015. "Economic impacts of nonresidential wildlife watching in the United States." *Forest Science* 61(1): 46-54.
28. Petrolia, D.R., M.G. Interis, J. Hwang\*. 2014. "America's Wetland? A National Survey of Willingness to Pay for Restoration of Louisiana's Coastal Wetlands." *Marine Resource Economics* 29(1): 17-37.
27. Caffey, R.H., H. Wang\*, and D.R. Petrolia. 2014. "Trajectory Economics: Assessing the Flow of Ecosystem Services from Coastal Restoration." *Ecological Economics* 100: 74-84.
26. Hwang, J.\*, D.R. Petrolia, and M.G. Interis. 2014. "Consequentiality and Opt-Out Responses in Stated Preference Surveys." *Agricultural & Resource Economics Review* 43(3): 471-88.
25. Interis, M.G. and D.R. Petrolia. 2014. "The Effects of Consequentiality in Binary- and Multinomial-Choice Surveys." *Journal of Agricultural & Resource Economics* 39(2): 1-16.

24. Petrolia, D.R., C.E. Landry, and K.H. Coble. 2013. "Risk Preferences, Risk Perceptions, and Flood Insurance." *Land Economics* 89(2): 227-45.
23. Haab, T.C., M.G. Interis, D.R. Petrolia, and J.C. Whitehead. 2013. "From Hopeless to Curious? Comments on Hausman's "Dubious to Hopeless" Critique of Contingent Valuation." *Applied Economic Perspectives & Policy* 35(4): 593-612.
22. Petrolia, D.R. and M.D. Hudson. 2013. "Why is the *Journal of Agricultural & Applied Economics* Not in the Major Citation Indices and Does it Really Matter?" *Journal of Agricultural & Applied Economics* 45(3): 381-8. (Invited paper at the 2013 Southern Agricultural Economics Association Annual Meeting)
21. Kim, T.\* and D.R. Petrolia. 2013. "Public Perceptions of Wetland Restoration Benefits in Louisiana." *ICES Journal of Marine Science* 70(5): 1045-54.
20. Kim, G.\*, D.R. Petrolia, and M.G. Interis. 2012. "A Method for Improving Welfare Estimates from Multiple-Referendum Surveys." *Journal of Agricultural and Resource Economics* 37(2): 1-13.
19. Petrolia, D.R. and T. Kim\*. 2011. "Contingent Valuation with Heterogeneous Reasons for Uncertainty." *Resource and Energy Economics* 33(3): 515-26.
18. Petrolia, D.R. and M.G. Interis. 2011. "What Environmental Economists Think Every Conservation Biologist Should Know: A Reply to Gowdy et al." *Conservation Biology* 25(3): 625-30.
17. Petrolia, D. R. and T. Kim\*. 2011. "Preventing Land Loss in Coastal Louisiana: Estimates of WTP and WTA." *Journal of Environmental Management* 92(3): 859-65.
16. Petrolia, D.R., S. Bhattacharjee\*, and T.R. Hanson. 2011. "Heterogeneous Evacuation Responses to Storm Forecast Attributes." *Natural Hazards Review* 12(3): 117-24.
15. Petrolia, D.R., R.G. Moore\*, and T. Kim\*. 2011. "Preferences for Timing of Wetland Loss Prevention in Louisiana." *Wetlands* 31(2): 295-307.
14. Linton, J.L.\*, J.C. Miller, R.D. Little, D.R. Petrolia, and K.C. Coble. 2011. "Economic feasibility of producing sweet sorghum as an ethanol feedstock in the southeastern United States." *Biomass & Bioenergy* 35(7): 3050-7.
13. Gowda, P.H., J.V. Westra, D.R. Petrolia, B.J. Dalzell, D.J. Mulla. 2011. "Impact of Targeted Removal of Residue Cover on Water Quality in the Sand Creek Watershed." *Journal of Environmental Hydrology* 19, Paper 25.

12. Petrolia, D.R., S. Bhattacharjee\*, M.D. Hudson, and C.W. Herndon. 2010. "Do Americans Want Ethanol? A Comparative Contingent Valuation Study of Willingness-to-Pay for E-10 and E-85." *Energy Economics* 32(1): 121-8.
11. Petrolia, D.R. and S. Bhattacharjee\*. 2010. "Why Don't Coastal Residents Choose to Evacuate for Hurricanes?" *Coastal Management* 38(2): 97-112.
10. Ekşioğlu, S.D., S. Li, S. Zhang, S. Sokhansanj, and D.R. Petrolia. 2010. "Analyzing the Impact of Intermodal Facilities to the Design and Management of Biofuels Supply Chain." *Transportation Research Record: Journal of the Transportation Research Board* 2191: 144-51.
9. Petrolia, D.R. and T. Kim\*. 2009. "What are Barrier Islands Worth? Estimates of Willingness to Pay for Restoration." *Marine Resource Economics* 24(2): 131-46.
8. Petrolia, D.R. and S. Bhattacharjee\*. 2009. "Revisiting Incentive Effects: Evidence from a Random-Sample Mail Survey on Consumer Preferences for Fuel Ethanol." *Public Opinion Quarterly* 73(3): 537-50.
7. Petrolia, D.R. 2008. "An Analysis of the Relationship between Demand for Corn Stover as an Ethanol Feedstock and Soil Erosion." *Review of Agricultural Economics* 30(4): 677-91.
6. Petrolia, D.R. 2008. "The Economics of Harvesting and Transporting Corn Stover for Conversion to Fuel Ethanol: A Case Study for Minnesota." *Biomass & Bioenergy* 32(7): 603-12.
5. Petrolia, D.R. and G.A. Ibendahl. 2008. "Conservation Programs: Will Grain Production Reclaim Acres in the South?" *Journal of Agricultural and Applied Economics* 40(2): 559-72. (Invited paper at the 2008 Southern Agricultural Economics Association Annual Meeting)
4. Petrolia, D.R. and P.H. Gowda. 2006. "Missing the Boat: Midwest Farm Drainage and Gulf of Mexico Hypoxia." *Review of Agricultural Economics* 28(2): 240-53.
3. Petrolia, D.R. and P.H. Gowda. 2006. "An Analysis of the Role of Tile-Drained Farmland under Alternative Nitrogen Abatement Policies." *Journal of Agricultural and Resource Economics* 31(3): 580-94.
2. Petrolia, D.R. 2003. "Strategic Behaviour between Countries in a Two-Period Uncertain Monopoly." *Journal of World Intellectual Property* 6(5): 733-43.
1. Petrolia, D.R. and P.L. Kennedy. 2003. "Increasing the U.S. Tariff-Rate Sugar Quota for Cuba and Mexico: A Partial Equilibrium Simulation." *Journal of Agricultural and Applied Economics* 35(3): 589-97.

#### BOOK CHAPTERS

Petrolia, D.R. 2014. "Biofuels" in *Environmental and Natural Resource Economics: An Encyclopedia*, J. Whitehead and T. Haab, eds. Santa Barbara, CA: ABC-CLIO.

Petrolia, D.R. 2014. "Ronald Coase" in *Environmental and Natural Resource Economics: An Encyclopedia*, J. Whitehead and T. Haab, eds. Santa Barbara, CA: ABC-CLIO.

Kennedy, P.L. and D.R. Petrolia. 2001. "Disputes in Sugar and Agricultural-Based Sweeteners," in *Trade Liberalization Under NAFTA -- Report Card on Agriculture*, edited by R.M.A. Loyns, R.D. Knutson, and K. Meilke. Winnepeg, Manitoba: Univ. of Manitoba.

#### BOOK REVIEWS

Petrolia, D.R. 2012. Review of *The International Handbook on Non-Market Environmental Valuation*, by Jeff Bennett, ed., Cheltenham UK: Edward Elgar, 2011, 398 pp. *American Journal of Agricultural Economics* 94: 271-3.

#### OTHER PUBLICATIONS

Petrolia, D.R. and W.C. Walton. 2018. "Hurricanes and water wars threaten the Gulf Coast's new high-end oyster industry." *The Conversation*, November 6.

Walton, W.C. and D.R. Petrolia. 2014. "Oyster Renaissance: Branding Premium Gulf Oysters," in *Auburn Speaks: On Food Systems*. Auburn, AL: Auburn University.

Petrolia, D.R. and M.G. Interis. 2013. "Should we be using repeated-choice surveys to value public goods?" Association of Environmental & Resource Economists Newsletter, November.

Anderson, J.D., D.R. Petrolia, and J.M. Riley. 2009. Revising Ethanol Blend Limits: A Discussion of Key Issues and Implications for Corn Prices. Livestock Marketing Information Center, Analysis and Comments, Letter No. 12, March 20.

Eidman, V.R., D.R. Petrolia, L. Pham, H. Huang, and S. Ramaswamy. 2009. "The Economic Feasibility of Producing Ethanol from Corn Stover and Hardwood in Minnesota," Staff Paper Series P09-3, Dept. of Applied Economics, University of Minnesota, January.

Petrolia, D.R. 2006. "The Economics of Harvesting and Transporting Hardwood Forest Residue for Conversion to Fuel Ethanol: A Case Study for Minnesota," Staff Paper Series P06-15, Dept. of Applied Economics, University of Minnesota, December.

Petrolia, D.R. 2006. "The Economics of Harvesting and Transporting Corn Stover for Conversion to Fuel Ethanol: A Case Study for Minnesota," Staff Paper Series P06-12, Dept. of Applied Economics, University of Minnesota, August.

Petrolia, D.R. 2006. "A Brief Agrarian History of the Cottonwood River Watershed in Southwestern Minnesota," Staff Paper Series P06-1, Dept. of Applied Economics, University of Minnesota, January.



Petrolia, D.R., P.H. Gowda, and D.J. Mulla. 2005. "Targeting Agricultural Drainage to Reduce Nitrogen Losses in a Minnesota Watershed," Staff Paper Series P05-2, Dept. of Applied Economics, University of Minnesota, January.

RESEARCH GRANTS & CONTRACTS (TOTAL: \$9,856,710)

*In Progress*

Co-Investigator, with J. Lehrter (PI), R. Baker, J. Cebrian, B. Dzwonkowski, L. Kalin, L. Lowe, S. Powers, D. Tian, S. Yun. "Building Resilience for Oysters, Blue Crabs, and Spotted Seatrout to Environmental Trends and Variability in the Gulf of Mexico." NOAA RESTORE Science Program. September 1, 2019 – August 31, 2024, \$2,887,250.

Co-Principal Investigator, with S. Yun (PI), M. Interis, S. Rush, E. Yu, C. Hellwinckel. "Sustainable Bioenergy Production and Integrated Valuation of Ecosystem Services." USDA NIFA-AFRI. January 1, 2019 – December 31, 2021, \$468,998.

Principal Investigator. "Return on Investment from Wind Hazard Mitigation." Mississippi-Alabama Sea Grant Consortium. February 1, 2018 – January 31, 2021, \$194,976.

Principal Investigator, with A. Harri, W.C. Walton, J. Cebrian, J. Rider, and G. Ramseur. "SPAT: Shellfish Portfolio Assessment Tool." NOAA RESTORE Science Program. June 1, 2017 – May 31, 2021, \$590,143.

*Completed*

Co-Principal Investigator, with R.H. Caffey (PI), I. Georgiou, and M. Miner. "Economic and Geomorphic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects." Bureau of Ocean Energy Management – LSU Coastal Marine Institute Cooperative Agreement. June 1, 2015 – August 31, 2018, \$854,550.

Investigator, with P. Biber (PI). "Coastal Management and Resilience." Working Group, Mississippi Research Consortium. March 1, 2016 – February 28, 2017, \$8,000.

Principal Investigator, with J. Cartwright. "Linking Community Rating System Activities to Economic and Environmental Characteristics: Toward a Measure of Flood Resilience." Mississippi-Alabama Sea Grant Consortium. December 1, 2014 – November 30, 2016, \$194,365.

Principal Investigator, with J. Hwang, K.W. Hood, and A. Collart. "Identifying New Market Opportunities for U.S. Catfish." Strategic Research Initiative, Mississippi Agricultural & Forestry Experiment Station, Mississippi State University. January 1, 2014 – June 30, 2015, \$49,400.

Principal Investigator/Mentor. 2014-2015 Undergraduate Research Scholars Program, College of Agriculture & Life Sciences, Mississippi State University, \$5,000.

Principal Investigator, with K.W. Hood and L. Falconer. "Economics, Marketing, and Policy Impacts on Catfish Production." USDA ARS Special Cooperative Agreement. September 15, 2013 – September 14, 2014, \$41,138.

Co-Principal Investigator, with R.H. Caffey (PI) and J.M. Fannin. “The Economic Benefits of the Gulf of Mexico Coastal Ocean Observing System (GCOOS).” Bureau of Ocean Energy Management – LSU Coastal Marine Institute Cooperative Agreement. August 17, 2013 – February 15, 2018, \$676,646.

Recipient. 2013-2014 Southeastern Conference (SEC) Travel Grant. \$2,500.

Co-Principal Investigator, with K.H. Coble (PI). “Policies to Develop Perennial Grass-based Advanced Biofuel Supply Chains in the Southeast U.S.” USDA NIFA-AFRI. September 15, 2012 - June 30, 2016, \$273,000.

Principal Investigator, with W.C. Walton. “A National Survey of Consumer Preferences for Branded Gulf Oysters and Risk Perceptions of Gulf Seafood”. Mississippi-Alabama Sea Grant Consortium. February 1, 2012 - July 31, 2014, \$225,508.

Co-Principal Investigator, with M.G. Interis, R.H. Caffey, R.F. Kazmierczak, W.R. Keithly, and I.A. Mendelsohn. “Integrating Revealed and Stated Preference Approaches for Ecosystem Service Valuation”. Gulf of Mexico Regional Sea Grant Programs. February 1, 2012 - January 31, 2014, \$839,534.

Principal Investigator, with K.H. Coble, M.G. Interis, and C.E. Landry. “Toward an Understanding of Gulf Coast Resident Preferences and Perceptions on Risk and Restoration.” NOAA - Northern Gulf Institute. October 1, 2009 – September 30, 2011, \$446,500.

Co-Principal Investigator, with R.K. Grala, I.A. Munn, D.L. Grebner, S.C. Grado, A. Hussain, and K.M. Hunt. “Improving profitability and sustainability of forest land ownership through incorporation of ecosystem services.” USFWS – Forest & Wildlife Research Center, Mississippi State University. October 1, 2009 – September 30, 2011, \$78,849.

Co-Principal Investigator, with C. Sun, W.D. Jones, and X. Liao. “Transforming the potential value of recreational use to economic gains for natural resources economic enterprises.” USFWS – Forest & Wildlife Research Center, Mississippi State University. October 1, 2009 – September 30, 2011, \$80,102.

Co-Principal Investigator, with S. Eksioglu (PI). “Analyzing the Impact of Intermodal Facilities to the Design of Supply Chains for Biorefineries.” USDOT - National Center for Intermodal Transportation. May 16, 2008 – May 15, 2009, \$76,327.

Co-Principal Investigator, with R.H. Caffey (PI). “Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration.” Coastal Restoration and Enhancement through Science and Technology, Louisiana Universities Marine Consortium. July 1, 2007 - June 30, 2009, \$93,924.

Co-Principal Investigator, with G. Ibendahl and W.C. Herndon. “An Accounting Tradeoff between WRP and Government Payments”, USFWS – Forest & Wildlife Research Center, Mississippi State University. July 1, 2007 – June 30, 2008, \$30,000.

Principal Investigator, with T. Kim, S. Bhattacharjee, K.H. Coble, G. Evans, and T.R. Hanson. “Developing a Foundation for Analysis of Natural and Human-Induced Disturbances to Coastal Economies,” NOAA - Northern Gulf Institute. February 1, 2007 – August 31, 2010, \$910,000.

Investigator, with K.H. Coble (PI). “Economic and Policy Analysis for Renewable and Sustainable Energy,” USDOE - Sustainable Energy Research Center, Mississippi State University. June 1, 2006 – December 1, 2008, \$830,000.

## TEACHING

### Mississippi State University

*AEC 2713: Introduction to Food and Resource Economics*

Taught: Spring Semester 2007-09 (+ Honors), Fall 2009-11 (+ Honors)

*AEC 3233: Introduction to Environmental Economics & Policy*

Taught: Spring Semester 2007-09 (+ Honors), 2014 (+ Honors)

*AEC 4000/7000: Nonmarket Economic Valuation (Directed Individual Study)*

Taught: Summer Semester 2013, Fall Semester 2014

*AEC 4233/6233: Environmental Economics*

Taught: Fall Semester 2008-10

*AEC 6713: Quantitative Economics*

Taught: Fall Semester 2011-12, 2014-19

*AEC 8233: Welfare and Environmental Economics*

Taught: Spring Semester 2013-15, Fall Semester 2016-present

*AEC/PSS 8990: Natural Resource Management*

Co-taught with D. Hudson and W. Kingery: Spring Semester 2007

### University of Wisconsin-River Falls

*AGEC 230: Agricultural Economics I*

Taught: Spring Semester 2003, Fall Semester 2003

### University of Minnesota

*APEC 1101: Principles of Microeconomics*

Teaching Assistant to Don Liu: Fall Semester 2004

*APEC 3002: Applied Microeconomics: Managerial Economics*

Teaching Assistant to Jeff Apland: Spring Semester 2005

## GRADUATE STUDENTS ADVISED (PLACEMENT)

### *Major Advisor*

Kelvin Amon, M.S., expected August 2021

Shea Gould, M.S., August 2020. Thesis: *The Effect of FORTIFIED Home Designation on Resale Value*. (American Cotton Shippers Association, Memphis, TN)

Frederick Nyanzu, M.S., August 2019. Thesis: *Optimal portfolio design to manage oyster resources*. (Ph.D. program, University of Illinois)

Ruth Quainoo, M.S., August 2018. Thesis: *Mitigating hypothetical bias: an application to willingness to pay for beach conditions information*. (Ph.D. program, East Carolina University)

Eugene Frimpong, M.S., August 2016. Thesis: *Community-Level Flood Mitigation Effects on Household-level Flood Insurance and Damage Claims*. (Ph.D. program, East Carolina University)

Kwabena Krah, M.S., August 2015. Thesis: *Producer preferences for contracts on a risky bioenergy crop*. (Ph.D. program, University of Illinois)

Sarah Acquah, M.S., August 2014. Thesis: *Effect of branding Gulf oysters on consumer's willingness to pay*. (Ph.D. program, New Mexico State University)

Joonghyun Hwang, M.S., August 2013. Thesis: *What to do with "prefer not to vote" responses from stated preference surveys?* (Chief Economist, Florida Fish & Wildlife Commission / Ph.D. program, University of Florida)

Jihyun Lee, M.S., May 2012. Thesis: *Risk perceptions, risk preferences, risk ambiguity, and flood insurance*.

GwanSeon Kim, M.S., August 2011. Thesis: *Improving value estimates for restoration of Mississippi's Barrier Islands*. (Ph.D. program, University of Kentucky)

Ross G. Moore, M.S., May 2010. Thesis: *Examining preferences for prevention of Louisiana's wetland loss*. (USDA Farm Service Agency, Selmer, TN)

### *Committee Member*

Ruth Quainoo, Ph.D., Coastal Resources Mgmt. (East Carolina University), expected May 2022

Eugene Frimpong, Ph.D., Coastal Resources Mgmt. (East Carolina University), August 2020

Ben Bradley, M.S., August 2020

Ram Adhikari, Ph.D., Forest Resources, May 2020

Sarah Hensey, M.S., Fisheries (Auburn University), May 2020

Phillip Waters, Ph.D., Fisheries (Auburn University), May 2020

Caroline Kelsoe, M.S., August 2019

Tyler Hardy, M.S., Coastal Sciences (University of Southern Mississippi), August 2018

Ram Dahal, Ph.D., Forest Resources, December 2017

Cody Plummer, M.S., (LSU), August 2017

Edward Mutandwa, Ph.D., Forest Resources, December 2015

Chang Xu, M.S., August 2013

Emily Courtney, M.A.B.M., December 2011

James Mingie, M.S., Forest Resources, August 2011

Ambarish Acharya, Ph.D., Industrial Engineering, December 2010

Joseph Linton, M.S., December 2010

Hualu Zheng, M.S., August 2009

### UNDERGRADUATE AND OTHER RESEARCH MENTORING

Mentor for H. Wright, CALS/MAFES Undergraduate Research Scholars Program, 2014-2015  
Mentor for M. Crabtree, Shackouls Honors College Undergraduate Research Program, Summer 2010  
Mentor for Sarah Acquah (2013), Joonghyun Hwang (2012), and Jihyun Lee (2011), Northern Gulf Institute Diversity Internship Program (M.S. students)

### POSTDOCTORAL ASSOCIATES SUPERVISED

Michael K. Hidrue, 9/10 – 9/11  
Tae-Goun Kim, 12/07 – 12/09  
Guyslain K. Ngeleza, 11/07 – 9/08  
Sanjoy Bhattacharjee, 10/06 – 9/09

### PROFESSIONAL SERVICE

#### *Agricultural & Applied Economics Association*

Member, 1999-present  
Editor, *Applied Economic Perspectives & Policy*, 2018-present  
Publications Committee, 2018-present  
Master's Thesis Award Subcommittee, 2013-16  
Land, Water, and Environmental Economics (ENV) Section  
Member, 2014-present  
Chair-Elect, 2016-17; Chair, 2017-18; Past-Chair, 2018-19  
Nominating Committee, 2014

#### *Southern Agricultural Economics Association*

Member, 1999-present  
Director, 2012-2015  
Selected Papers Committee, 2012-2015 (Chair, 2014-2015)  
Dissertation Award Committee, 2009-2012 (Chair, 2011-2012)

#### *Association of Environmental & Resource Economists (AERE)*

Member, 2007-present  
AERE-SEA Program Committee, 2018-present

#### *Southern Economic Association (SEA)*, Member, 2010-present

#### *American Economic Association (AEA)*, Member, 2016-2018

USDA Multistate Research Project W-2133/3133: Benefits and Costs of Natural Resources Policies Affecting Ecosystem Services on Public and Private Lands  
Member, 2011-present  
President, 2014-15; Vice-President, 2013-14; Secretary, 2012-13

Co-Chair, Programming Committee, 2020 Alabama-Mississippi Bays & Bayous Symposium

U.S. Socioeconomic Impacts of Harmful Algal Blooms Workshop, July 27-August 5, 2020,  
Participant

Gulf of Mexico Offshore Sand Management Working Group, 2015-2018

Center for Natural Resource Economics & Policy, Louisiana State University,  
Affiliate Member, 2008-present  
Program Committee, 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems,  
2018-2019

USDA Information Exchange Group *SERA-30: Southern Natural Resource Economics  
Committee*, Participant, 2007-11

Participant, *Meeting of the Minds on Flood Insurance*, The Wharton School Center for Risk  
Management and Decision Processes, University of Pennsylvania, July 29-30, 2013

Manuscript reviewer (in order of most recent):

*Applied Economic Perspectives & Policy* (2020-2011, 2008, 2006)

*Conservation Science and Practice* (2020)

*Journal of Environmental Economics & Management* (2020, 2016, 2013)

*Journal of Environmental Management* (2020, 2010, 2007)

*Land Economics* (2020-2018)

*Marine Resource Economics* (2020-2018, 2014)

*Water Resources and Economics* (2020)

*American Journal of Agricultural Economics* (2019-2017, 2012)

*Journal of Agricultural & Applied Economics* (2019, 2017-2016, 2014-2013, 2011, 2009)

*Journal of Agricultural & Resource Economics* (2019-2017)

*Risk Analysis* (2019)

*Southern Economic Journal* (2019-2018)

*Journal of Food Distribution Research* (2018)

*Resource & Energy Economics* (2018-2017)

*Ecological Economics* (2017-2016)

*Economics Bulletin* (2017-2016)

*Economics of Disasters & Climate Change* (2017)

*Environmental Economics & Policy Studies* (2017)

*Food Policy* (2017)

*Journal of Benefit-Cost Analysis* (2017)

*Journal of Policy Analysis & Management* (2017)

*Journal of Shellfish Research* (2017)

*Biomass & Bioenergy* (2016)

*Environmental & Resource Economics* (2016-2013)

*Global Environmental Change* (2016)

*Journal of Ocean & Coastal Economics* (2016)

*Journal of the American Water Resources Association* (2016-2015)

*Natural Hazards* (2016)

*Weather, Climate, and Society* (2016)  
*Journal of Risk & Insurance* (2015-2014)  
*Nature Climate Change* (2015)  
*Agricultural & Resource Economics Review* (2014-2013)  
*Energy Economics* (2014-2013)  
*Energy Policy* (2014)  
*Journal of Agricultural Extension & Rural Development* (2014)  
*Journal of Environmental Economics & Policy* (2014)  
*Natural Hazards Review* (2013, 2009)  
*Agriculture* (2012)  
*Environmental Management* (2012-2011)  
*Lake and Reservoir Management* (2012-2011)  
*Public Opinion Quarterly* (2012, 2010-2009)  
*Transportation Research Part A: Policy and Practice* (2011)  
*Agricultural History* (2010)  
*Coastal Management Journal* (2010)  
*Conservation Biology* (2010)  
*Field Methods* (2010)  
*Wetlands* (2010)  
*Environmental Science & Technology* (2009)  
*Ocean & Coastal Management* (2008)  
*Energy Journal* (2007)  
*Agricultural & Food Science* (2006)

Technical Review Panelist, NOAA Ecological Effects of Sea-Level Rise Program (2019), USDA-NIFA Aquaculture Research Program (2017), Georgia Sea Grant College Program (2015), Louisiana Sea Grant College Program (2014), Alabama Agricultural Experiment Station Hatch and Multistate Grant Competition (2013, 2012), NIFA Biomass Research & Development Initiative (2011)

Grant Proposal Reviewer, National Science Foundation - Decision, Risk, and Management Sciences (2020), Louisiana Sea Grant College Program (2019), Rhode Island Sea Grant Program (2016), NOAA Fisheries Saltonstall-Kennedy Grant Program (2015), North Carolina Sea Grant College Program (2015), Minnesota Agricultural Experiment Station (2014), Texas Sea Grant Program (2011), Mississippi-Alabama Sea Grant Consortium (2008), University of California Pierce's Disease Research Program (2008), USDA Program of Research on the Economics of Invasive Species Management (2008)

External Reviewer for Promotion & Tenure Applications at Other Universities (2017, 2016 (2))

#### UNIVERSITY SERVICE

MAFES Strategic Research Initiative, Research Excellence Committee, 2015-2019

2017 SEC Academic Conference, Organizing Committee, 2016-2017

*Phi Beta Kappa* Application Committee, 2016, 2013

MSU Faculty Roundtable, April 4, 2014

MSU Faculty Leadership Program, Class of 2010-2011

Department of Agricultural Economics, Mississippi State University

Promotion & Tenure Committee, Fall 2012-present

Seminar Committee, Fall 2016-Summer 2019 (Chair, Fall 2018-Summer 2019)

Curriculum Committee, Fall 2009-Spring 2013 (Chair, Fall 2012-Spring 2013)

Awards Committee, Fall 2006-2016

Faculty Search Committees, 2017-18 (Co-Chair), 2016-17 (Co-Chair), 2011 (Chair),  
2009 (2), 2008, 2007

Departmental Self-Assessment Committee, Fall 2016

Recruiting Committee (Chair), Fall 2012

Long-Term Planning Committee, 2011

Delta Research & Extension Center, Mississippi State University

Faculty Search Committee, 2017-18

School of Human Sciences, Mississippi State Univ., Promotion & Tenure Committee, Fall 2014

Moderator/Observer, 2012 Economy Watch Forum, MSU College of Business

#### CONSULTING

The Nature Conservancy (Baton Rouge, LA), 2018

BioAbility, LLC (Research Triangle Park, NC), 2006

#### INVITED PRESENTATIONS, LECTURES, AND SEMINARS

"Disasters and Disruptions." Panel, 2020 Bays and Bayous Symposium (Virtual), December 1, 2020.

"Return on Investment from Wind Hazard Mitigation." Coastal Hazard Outreach Strategy Team (C-HOST) Workshop (Virtual), October 22, 2020.



"Benefits and Costs of FORTIFIED Homes." Alabama Association of Floodplain Managers 13th Annual Fall Conference, Gulf Shores, AL – October 19-21, 2020.

"Thinking About Oyster Resources as a Portfolio of Ecosystem Services." NOAA RESTORE Science Webinar, June 25, 2020.

"A Look at the Use of Nonmarket Valuation in Federal Rulemaking." Energy and Environmental Economics and Policy Seminar, Penn State University, January 29, 2020.

"SPAT: Shellfish Portfolio Assessment Tool." Gulf of Mexico Alliance All-Hands Meeting, Gulf Shores, AL, June 13, 2019.

"GCOOS Valuation Update." Gulf of Mexico Coastal Ocean Observing System Outreach & Education Council & Products & Services Advisory Council Meeting, Biloxi, MS, November 2, 2018.

"An Overview of Some Coastal Resource Economics Research on the Gulf Coast". Department of Economics, East Carolina University, October 23, 2018.

"Mitigating Hypothetical Bias: A Test of Something Old and Something New". 2018 Appalachian Experimental & Environmental Economics Workshop, Department of Economics, Appalachian State University, Blowing Rock, NC, April 27-28, 2018

"Is the Community Rating System Working in Alabama and Mississippi?" Coastal Alabama Hazards Summit: Preparing for Flood & Wind Hazards, Spanish Fort, AL, January 19, 2018.

"Ecosystem Service Valuation: Examples for the Gulf Coast." Mississippi Coastal Ecosystems Services Workshop: Using Remote Sensing to Quantify Ecosystem Services for Improved Coastal Decision Making, Grand Bay NERR, Moss Point, MS, January 18, 2018.

"Benefit-Cost Analysis of Using OCS versus Nearshore Sand for Coastal Restoration." Gulf of Mexico Offshore Sand Management Working Group, New Orleans, December 7, 2017.

"GCOOS Valuation Update." Integrated Ocean Observation System Advisory Committee Meeting, Ocean Springs, MS, October 25, 2017

"The Community Rating System, NFIP Policy Uptake, and Flood Claims." Alabama Association of Floodplain Managers 2017 Fall Conference, Orange Beach, AL, September 27, 2017.

"The Community Rating System, NFIP Participation, and Flood Damage Claims." The ABCs of Flood Mitigation Workshop, Mississippi-Alabama Sea Grant Consortium, Biloxi, MS, August 11, 2017.

“Economic and Geomorphic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects.” Gulf of Mexico Offshore Sand Management Working Group, New Orleans, December 15, 2016.

“Update on GCOOS Valuation Project.” Gulf of Mexico Coastal Ocean Observation System Advisory Committee Meeting, Houston, TX, September 22, 2016

“An Economic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration.” Disaster Preparedness and Management Working Group, Department of Industrial & Systems Engineering, Mississippi State University, March 11, 2016.

“Economic and Geomorphic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects.” BOEM Marine Minerals Program Science Exchange 2015, New Orleans, December 2.

“Risk on the Half-shell.” Departmental Seminar, Economics and Finance Department, University of Wyoming, March 27, 2015.

“Wind Insurance and Mitigation in the Coastal Zone.” Departmental Seminar, Department of Agricultural Economics & Agribusiness, Louisiana State University, June 6, 2014.

“Branding Gulf Oysters.” Invited seminar, 170<sup>th</sup> Louisiana Marine Extension Project Quarterly Meeting, Grand Isle, LA, June 3, 2014.

“Single-Choice, Repeated-Choice, and Best-Worst Elicitation Formats: Do Results Differ and by How Much?” Departmental Seminar, Department of Agricultural Economics & Agribusiness, Louisiana State University, May 28, 2014.

“Risk Preferences, Risk Perceptions, and Flood Insurance Along the Gulf Coast.” *Meeting of the Minds on Flood Insurance*, The Wharton School, Center for Risk Management and Decision Processes, University of Pennsylvania, July 29, 2013.

“A Few Lessons from Economics”, guest lecture delivered to CHE 3331: *Professional Development Seminar* (Jason Keith), Mississippi State University, April 9, 2013

“Wetland Valuation”, guest lecture delivered to WF 4383/6383: *Wetlands Ecology and Management* (Rick Kaminski), Mississippi State University, November 23, 2010

“Natural Resource Damage Assessment and Ecosystem Service Valuation”, special lecture, College of Maritime Sciences, Korea Maritime University, Busan, Republic of Korea, October 26, 2010

“NRDA and Ecosystem Service Valuation Research.” U.S. Congressional staff webinar, Oct. 5, 2010.

“Towards Valuing the Economic Damages of the *Deepwater Horizon* Oil Spill.” Departmental Seminar Series, Department of Agricultural Economics, Mississippi State University, August 27, 2010.

“Valuing Coastal Land Resources”, special lecture, College of Maritime Sciences, Korea Maritime University, Busan, Republic of Korea, January 20, 2010

“Investigating Public Preferences for Coastal Restoration in Louisiana and Mississippi.” Coastal Restoration Enhancement through Science and Technology Workshop, Ocean Springs, MS, March 8, 2010.

“The Economics of Crop Residues: Corn Stover.” Transition to a Bioeconomy: The Role of Extension in Energy, Farm Foundation Conference, Little Rock, AR, June 30 – July 1, 2009.

“Do Americans Want Ethanol? A Contingent-Valuation Study of Demand for E-10 and E-85.” Departmental Seminar Series, Department of Agricultural Economics & Agribusiness, Louisiana State University, March 7, 2008.

“The Future of Ethanol Production: An Overview and Comparison of Dry-Grind Corn and Lignocellulosic Ethanol Production.” Departmental Seminar Series, Department of Agricultural Economics, Mississippi State University, October 20, 2006.

“Missing the Boat: Farm Drainage in the Midwest and Hypoxia in the Gulf of Mexico.” Environment and Natural Resources Seminar Series, Department of Applied Economics, University of Minnesota, April 18, 2005.

“Gulf of Mexico Hypoxia: What’s Minnesota Farm Drainage Got to Do with It?” Student Seminar Series, Department of Applied Economics, University of Minnesota, March 4, 2005.

#### PROFESSIONAL PRESENTATIONS AND POSTERS (presenter listed as lead author)

Petrolia, D.R. "Oyster Economics: Costs, Returns, and Ecosystem Benefits of Extensive Bottom Harvest, Intensive Aquaculture, and Non-Harvested Reefs." 2020 Bays and Bayous Symposium (Virtual), December 1-3, 2020.

Petrolia, D.R., L.S. Gould, S.D. Yun, J.R. Cummings, J.G. Maples. "Is a FORTIFIED Home a Good Investment?" 2020 Bays and Bayous Symposium (Virtual), December 1-3, 2020.

Amon, K. and D.R. Petrolia. "Participation in the Community Rating System." 2020 Bays and Bayous Symposium (Virtual), December 1-3, 2020.

Petrolia, D.R., D. Guignet, J. Whitehead, C. Kent, and K. Amon. "A Look at the Use of Nonmarket Valuation in Federal Rulemaking." W-4133 Multistate Research Project Meeting, Athens, GA, February 13-14, 2020.

Hwang, J. and D.R. Petrolia. "Revisiting Opt-out Responses in Contingent Valuation." W-4133 Multistate Research Project Meeting, Athens, GA, February 13-14, 2020.

Gould, S., D.R. Petrolia, S. Yun, J. Maples, and R. Cummings. "Benefits and Costs of Wind Hazard Mitigation." Southern Agricultural Economics Association Annual Meetings, Louisville, KY, Feb. 1-4, 2020.

Petrolia, D.R., D. Guignet, J. Whitehead, C. Kent, C. Caulder, and K. Amon. "Applications, Trends, & Limitations of Non-Market Valuation for Policymaking." Southern Economic Association 89<sup>th</sup> Annual Meeting, Fort Lauderdale, FL, Nov. 23-25, 2019.

Gould, S., D.R. Petrolia, and S. Yun. "Benefits and Costs of Wind Hazard Mitigation." Southern Economic Association 89<sup>th</sup> Annual Meeting, Fort Lauderdale, FL, Nov. 23-25, 2019.

Petrolia, D.R. and J. Hwang. "Accounting for Attribute Non-Attendance in Three Previously-Published Choice Studies of Coastal and Marine Resources," CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Petrolia, D.R. and S. Gould. "Return on Investment for Wind Hazard Mitigation." CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Caffey, R., D.R. Petrolia, H. Wang, I. Georgiou, and M. Miner. "A Geo-economic Framework for Examining the Benefits and Costs of Coastal Dredging Projects." CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Caffey, R. C. Plummer, H. Wang, and D.R. Petrolia. "Preferences and Values for the Gulf Coast Ocean Observing System." CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Frimpong, E., D.R. Petrolia, A. Harri, and J. Cartwright. "Does the Community Rating System Work? Evidence from Two Gulf Coast States," CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Nyanzu, F., D.R. Petrolia, A. Harri, W. Walton, J. Cebrian, and S. Yun. "Optimal Portfolio Design to Manage Oyster Resources," CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Penn, J., D.R. Petrolia, R. Caffey, and M. Fannin. "Public Opinion of a Gulf-Wide Beach Conditions Reporting System." CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Wang, H., R. Caffey, D.R. Petrolia, I. Georgiou, and M. Miner. "Economic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects." Poster presented at CNREP 2019: 6<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 19-21.

Petrolia, D.R., F. Nyanzu, J. Cebrian, W.C. Walton, A. Harri, J. Amato, J. Rider, G. Ramseur. "Estimating Ecosystem Services for Oysters using Expert Elicitation." Aquaculture 2019 Triennial Meeting, New Orleans, March 7-11.

Nyanzu, F., D.R. Petrolia, A. Harri, W. Walton, J. Cebrian, and S. Yun. "Optimal Portfolio Design to Manage Oyster Resources," 2019 Southern Agricultural Economics Association Annual Meeting, Birmingham, AL, February 3.

Gould, S., D.R. Petrolia, and H. Hodde. "Return on Investment from Wind Mitigation." 2018 Alabama-Mississippi Bays & Bayous Symposium, Mobile, AL, Nov. 28-29.

Nyanzu, F., D.R. Petrolia, A. Harri, W. Walton, J. Cebrian, and J. Rider. "Optimal Portfolio Design to Manage Oyster Resources." 2018 Alabama-Mississippi Bays & Bayous Symposium, Mobile, AL, Nov. 28-29.

Petrolia, D.R., R.H. Caffey, H. Wang, I. Georgiou, and M. Miner. "Benefit-Cost Analysis of Using OCS versus Nearshore Sand for Coastal Restoration." 2018 Alabama-Mississippi Bays & Bayous Symposium, Mobile, AL, Nov. 28-29.

Petrolia, D.R. and J. Penn. "Public Opinion on a Gulf Coast Beach Conditions Reporting System." 2018 Alabama-Mississippi Bays & Bayous Symposium, Mobile, AL, Nov. 28-29.

Petrolia, D.R. and J. Penn. "Mitigating Hypothetical Bias: An Application to Willingness to Pay for Beach Conditions Information." Southern Economic Association 88<sup>th</sup> Annual Meeting, Washington, DC, Nov. 18-20, 2018.

Petrolia, D.R., W.C. Walton, J. Cebrian, F. Nyanzu, J. Amato, and J. Rider. "Optimal Portfolio Design to Manage Oyster Resources." W-4133 Multistate Research Project, 2018 Annual Meeting, Austin, TX, Feb. 22-23.

Petrolia, D.R., R.H. Caffey, H. Wang, I. Georgiou, and M. Miner. "Benefit-Cost Analysis of Using OCS versus Nearshore Sand for Coastal Restoration." Southern Economic Association 87<sup>th</sup> Annual Meeting, Tampa, FL, Nov. 17-19, 2017.

Petrolia, D.R., E. Frimpong, J. Cartwright, and A. Harri. "The Community Rating System, NFIP Participation, and Flood Damage Claims." 2016 Mississippi-Alabama Bays & Bayous Symposium, Biloxi, Nov. 30-Dec. 1.

Dahal, R., R.K. Grala, J.S. Gordon, I.A. Munn, D.R. Petrolia, S. Islam, J. Wesley. "Estimating the Willingness to Preserve Open Space in Coastal Waterfronts using Contingent Valuation Method." 2016 Mississippi-Alabama Bays & Bayous Symposium, Biloxi, Nov. 30-Dec. 1.

Petrolia, D.R., E. Frimpong, and A. Harri. "The Community Rating System, NFIP Participation, and Flood Damage Claims." Southern Economic Association 86<sup>th</sup> Annual Meeting, Washington, DC, Nov. 19-21, 2016.

Petrolia, D.R., R.H. Caffey, and J.M. Fannin. "Estimating the Value to the Public of a Buildout of the Gulf of Mexico Coastal Ocean Observing System (GCOOS)." 2016 Challenges of Natural Resource Economics and Policy: 5<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 20-22.

Frimpong, E. and D.R. Petrolia. "Community-level Flood Mitigation Effects on Household-level NFIP Participation and Claims." 2016 Challenges of Natural Resource Economics and Policy: 5<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 20-22.

Yehouenou, L., D.R. Petrolia, and W.C. Walton. "Is There a Market for Branded Gulf of Mexico Oysters?" 2016 Challenges of Natural Resource Economics and Policy: 5<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 20-22.

Petrolia, D.R. and R.H. Caffey. "How does one value the Gulf of Mexico Coastal Ocean Observing System (GCOOS)?" W-3133 Multistate Research Project, 2016 Annual Meeting, Portland, OR, February 24-26.

Frimpong, E. and D.R. Petrolia. "Community-level Flood Mitigation Effects on Household Flood Insurance and Damage Claims." Selected paper, 2016 SAEA Annual Meeting, San Antonio, TX, February 6-9.

Petrolia, D.R. "Risk on the Half-Shell." Selected paper, AERE-Session Selected paper, 2015 SEA Annual Conference, New Orleans, November 21-23.

Interis, M.G. and D.R. Petrolia. "The Effect of a Specific Stated Preference Survey Response Strategy on Welfare Estimates." W-3133 Multistate Research Project, 2015 Annual Meeting, Pensacola Beach, FL, February 25-27.

Krah, K., D.R. Petrolia, K.H. Coble, and A. Williams. "Producer Preferences for Contracts on a Risky Bioenergy Crop." W-3133 Multistate Research Project, 2015 Annual Meeting, Pensacola Beach, FL, February 25-27.

Interis, M.G. and D.R. Petrolia. "Coastal Ecosystem Services of the Gulf of Mexico: Does their Value Depend on the Providing Habitat?" Selected paper, 2015 SAEA Annual Meeting, Atlanta, GA, January 31 - February 13.

Krah, K., D.R. Petrolia, K.H. Coble, A. Harri, and A. Williams. "Producer Preferences for Contracts on a Risky Bioenergy Crop." Selected paper, 2015 SAEA Annual Meeting, Atlanta, GA, January 31 - February 13.

Petrolia, D.R., J. Hwang, and M.G. Interis. "Single-Choice, Repeated-Choice, and Best-Worst Elicitation Formats: Do Results Differ and by How Much?" Selected paper, AERE-Session Selected paper, 2014 SEA Annual Conference, Atlanta, November 22-24.

Krah, K., K.H. Coble, D.R. Petrolia, and A. Williams. "Policies to Develop Perennial Grass-based Advanced Biofuel Supply Chains in Southeast U.S." Poster presented at 2014 NIFA-AFRI Sustainable Bioenergy Annual PD Meeting, Washington, DC, October 29-31.

Petrolia, D.R. and W.C. Walton. "Consumer Preferences for Branded Gulf of Mexico Oysters." National Shellfisheries Association, 2014 Annual Meeting, Jacksonville, FL, April 2.

Hwang, J., D.R. Petrolia, and M.G. Interis. "Single-Choice, Repeated-Choice, and Best-Worst Elicitation Formats: Do Results Differ and by How Much?" W-3133 Multistate Research Project, 2014 Annual Meeting, Orange Beach, AL, February 19-21.

Interis, M.G. and D.R. Petrolia. "Ecosystem Services Valuation: Does it Matter Which Ecosystem Provides the Habitat?" W-3133 Multistate Research Project, 2014 Annual Meeting, Orange Beach, AL, February 19-21.

Interis, M.G. and D.R. Petrolia. "The Role of Vote Distribution Perceptions in Multinomial-Choice Valuation Surveys." Selected paper, 2014 SAEA Annual Meeting, Dallas, TX, February 1-4.

Acquah, S. and D.R. Petrolia. "Effect of branding Gulf oysters on consumers' willingness to pay." Selected paper, 2014 SAEA Annual Meeting, Dallas, TX, February 1-4.

Petrolia, D.R. and W.C. Walton. "Risk Preferences and Perceptions: The Case of Branded Gulf Oysters." Selected paper, AERE-Session Selected paper, 2013 SEA Annual Conference, Tampa, November 23-25.

Interis, M.G. and D.R. Petrolia. "The Role of Vote Distribution Perceptions in Multinomial-Choice Valuation Surveys." Selected paper, 2013 AERE Summer Conference, Banff, Alberta, Canada, June 6-8.

Caffey, R.H., H. Wang, and D.R. Petrolia. "Cost-Benefit Analysis of Ecosystem Service Flows from Coastal Land-Building Methods." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Hwang, J., D.R. Petrolia, and M.G. Interis. "Yes Votes, No Votes, and Non-Votes for Proposed Coastal Restoration in Louisiana." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Interis, M.G. and D.R. Petrolia. "The Value of Ecosystem Services Provided by Oyster Reefs, Black Mangroves, and Salt Marshes." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Petrolia, D.R., M.G. Interis, and J. Hwang. "America's Wetland? A National Survey of Willingness to Pay for Restoration of Louisiana's Coastal Wetlands." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Petrolia, D.R., C.E. Landry, and K.H. Coble. Risk Preferences, Risk Perceptions, and Flood Insurance." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Petrolia, D.R. and W.C. Walton. "Consumer Preferences for Branded Gulf Oysters." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Xu, C., M.G. Interis, D.R. Petrolia, and K.T. Coatney. "Empirical Testing of Strategic Voting and its Implications for Choice Experiments." Selected Paper, Challenges of Natural Resource Economics & Policy 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, March 24-26, 2013.

Petrolia, D.R. and W.C. Walton. "Risk Preferences and Perceptions: The Case of Branded Gulf Oysters." W-3133 Multistate Research Project 2013 Annual Meeting, Coeur d'Alene, ID, February 27-March 1.

Interis, M.G., D.R. Petrolia, and J. Hwang. "Not Choosing is a Choice: Consequentiality and "Opt Out" Responses to Choice Surveys." W-3133 Multistate Research Project 2013 Annual Meeting, Coeur d'Alene, ID, February 27-March 1.

Petrolia, D.R., M.G. Interis, and J. Hwang. "America's Wetland? A National Survey of Willingness to Pay for Restoration of Louisiana's Coastal Wetlands." Selected paper, 2013 SAEA Annual Meeting, Orlando, February 2-5.

Hwang, J., D.R. Petrolia, M.G. Interis, and A. Harri. "What to Do with 'Prefer Not to Vote' Responses from Contingent Valuation Surveys?" Selected paper, 2013 SAEA Annual Meeting, Orlando, February 2-5.

Xu, Chang, M.G. Interis, D.R. Petrolia, and K.T. Coatney. "Empirical Testing of Strategic Voting and its Implications for Choice Experiments." Selected paper, 2013 SAEA Annual Meeting, Orlando, February 2-5.

Petrolia, D.R., M.G. Interis, and J. Hwang. "Not Choosing is a Choice: Consequentiality and "Opt Out" Responses to Choice Surveys." Selected paper, AERE-Session Selected paper, 2012 SEA Annual Conference, New Orleans, November 16-18.

Petrolia, D.R. and W.C. Walton. "A National Survey of Consumer Preferences for Branded Gulf Oysters." Selected paper, 2012 Bays & Bayous Symposium, Biloxi, MS, November 14-15.



Interis, M.G. and D.R. Petrolia. "The value of ecosystem services provided by oyster reefs, mangroves and salt marshes along the Gulf of Mexico." Selected paper, 2012 Bays & Bayous Symposium, Biloxi, MS, November 14-15.

Petrolia, D.R. and M.G. Interis. "Consequentiality Effects in a Multinomial Choice Experiment Survey." Selected paper, 2012 AERE Summer Conference, Asheville, NC, June 4-5.

Petrolia, D.R. and M.G. Interis. "Consequentiality Effects in a Multinomial Choice Experiment Survey." W-2133 Multistate Research Project 2012 Annual Meeting, Park City, UT, February 22-24.

Interis, M.G. and D.R. Petrolia. "The Effect of Consequentiality Perceptions on Preference Revelation in CV: An Application to Louisiana Coastal Wetlands Restoration." W-2133 Multistate Research Project 2012 Annual Meeting, Park City, UT, February 22-24.

Wang, H., R.H. Caffey, and D.R. Petrolia. "An Economic Assessment of Competing Technologies for Coastal Restoration." Selected paper, 2012 SAEA Annual Meeting, Birmingham, AL, February 4-7.

Petrolia, D.R., J. Lee, K.H. Coble, and C.E. Landry. "Risk Preferences, Perceptions, Ambiguity, and Flood Insurance." Selected paper, 2011 SEA Annual Conference, Washington, DC, November 19-21.

Interis, M.G., D.R. Petrolia, and M.K. Hidrue. "The Effect of Priors and Consequentiality on Preference Revelation in Stated Preference Studies: An Application to Louisiana Coastal Wetlands Restoration Valuation." AERE-Session Selected paper, 2011 SEA Annual Conference, Washington, DC, November 19-21.

Petrolia, D.R., K.H. Coble, and C.E. Landry. "Using Subjective Risk and Experimental Information to Predict Flood Insurance and Self-Protection Measures." Selected paper, 2011 AERE Summer Conference, Seattle, WA, June 8-10.

Petrolia, D.R., M.G. Interis, and M.K. Hidrue. "Valuing Coastal Restoration in the Barataria-Terrebonne Estuary: A Nationwide Survey." Selected presentation, Northern Gulf Institute Annual Meeting, Mobile AL, May 17-19, 2011.

Kim, G., D.R. Petrolia, and M.G. Interis. "Improving Value Estimates for Restoration of Mississippi's Barrier Islands." Selected presentation, Northern Gulf Institute Annual Meeting, Mobile AL, May 17-19, 2011.

Lee, J., D.R. Petrolia, K.H. Coble, and C.E. Landry. "Risk Perceptions, Preferences, Ambiguity, and Flood Insurance Demand." Selected presentation, Northern Gulf Institute Annual Meeting, Mobile AL, May 17-19, 2011.

Petrolia, D.R., K.H. Coble and C.E. Landry. "A Model of Flood Insurance Demand Using Experimental Risk Preference and Subjective Risk Perception Data." W-2133 Multistate Research Project 2011 Annual Meeting, Albuquerque, NM, February 23-25.

Lee, J., D.R. Petrolia, K.H. Coble, and C.E. Landry. "Flood Insurance Demand Along the Gulf and Florida's Atlantic Coasts." Selected paper, SAEA Annual Meeting, Corpus Christi, TX, February 5-8, 2011.

Kim, G., D.R. Petrolia, and M.G. Interis. "Using Multiple-Scenario Contingent Valuation Data to Estimate Willingness to Pay for Restoration of Mississippi's Barrier Islands." Selected paper, SAEA Annual Meeting, Corpus Christi, TX, February 5-8, 2011.

Lee, J., D.R. Petrolia, K.H. Coble, and C.E. Landry. "Flood Insurance Demand along the Gulf and Florida's Atlantic Coasts." Bays and Bayous Symposium, Mobile, AL, December 1-2, 2010.

Kim, G., D.R. Petrolia, and M.G. Interis. "Using Multiple-Scenario Contingent Valuation Data to Estimate Willingness to Pay for Restoration of Mississippi's Barrier Islands." Bays & Bayous Symposium, Mobile, AL, December 1-2, 2010.

Petrolia, D.R. and T. Kim. "Contingent Valuation with Heterogeneous Reasons for Uncertainty." Southern Economic Association Annual Meeting, Atlanta, November 20-22, 2010.

Linton, J.L., J.C. Miller, R.D. Little, D.R. Petrolia, and K.C. Coble. "Alternative Biomass for Energy: An Economic Evaluation," 12th Annual National Value-Added Agriculture Conference, Biloxi, MS, June 27-29, 2010.

Petrolia, D.R. and T. Kim. "Preventing Land Loss in Coastal Louisiana: Estimates of WTP and WTA." 3<sup>rd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 26-28, 2010.

Moore, R.G., D.R. Petrolia, and T. Kim. "Preferences for Timing of Wetland Loss Prevention in Louisiana." 3<sup>rd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 26-28, 2010.

Petrolia, D.R., S. Bhattacharjee, and T.R. Hanson. "Heterogeneous Evacuation Responses to Storm Forecast Attributes." Selected Poster, 3<sup>rd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, May 26-28, 2010.

Petrolia, D.R., K.H. Coble, C.E. Landry, M.G. Interis, and R.H. Caffey. "Toward an Understanding of Gulf Coast Resident Preferences and Perceptions on Risk and Restoration: A Proposal." Selected presentation and poster, Northern Gulf Institute Annual Meeting, Mobile AL, May 18-20, 2010.

Petrolia, D.R., S. Bhattacharjee, and T.R. Hanson. "Heterogeneous Evacuation Responses to Storm Forecast Attributes." Selected Poster, Northern Gulf Institute Annual Meeting, Mobile AL, May 18-20, 2010.

Linton, J.L., K.H. Coble, R.D. Little, and D.R. Petrolia. "The Economic Feasibility of Sweet Sorghum Ethanol Production in Mississippi." Poster, Ninth Annual Southern BioProducts and Renewable Energy Conference, Tunica, MS, April 13-14, 2010.

Petrolia, D.R. "WTP v. WTA in the context of coastal land loss in Louisiana", in "Contingent Valuation: Issues on the Frontier and in Application", Organized Symposium, SAEA Annual Meeting, Orlando, FL, Feb. 6-9, 2010.

Moore, R.G., D.R. Petrolia, and T. Kim. "The Effects of Climate Change Perceptions on Willingness to Fund the Prevention of Wetland Loss", Selected Paper, SAEA Annual Meeting, Orlando, FL, Feb. 6-9, 2010.

Moore, R.G., D.R. Petrolia, and T. Kim. "The Effects of Climate Change Perceptions on Willingness to Fund the Prevention of Wetland Loss." Poster, Northern Gulf Institute Annual Meeting, Mobile AL, May 20-21, 2009.

Petrolia, D.R. and T. Kim. "What are Barrier Islands Worth?" Selected Paper, Northern Gulf Institute Annual Meeting, Mobile AL, May 20-21, 2009.

Bhattacharjee, S., D.R. Petrolia, and T.R. Hanson. "Which Forecast Factors Influence Hurricane Evacuation Decisions?" Selected Paper, Northern Gulf Institute Annual Meeting, Mobile AL, May 20-21, 2009.

Petrolia, D.R., T. Kim, "Are CV Stated Certainty Responses Reliable?" Selected Paper, 2009 Southern Natural Resource Economics (SERA-30) Annual Meeting, Athens GA, May 18.

Petrolia, D.R., R.H. Caffey, and T. Kim. "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration." SAEA Annual Meeting, Atlanta, Jan. 31–Feb. 3, 2009.

Bhattacharjee, S., D.R. Petrolia, T.R. Hanson, and M. Thomas. "Study of Evacuation Behavior of Coastal Gulf of Mexico Residents." Selected Paper, SAEA Annual Meeting, Atlanta, Jan. 31–Feb. 3, 2009.

Petrolia, D.R., R.H. Caffey, and T. Kim. "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration." PIANC Gulf Coast Hurricane Conference: Preparedness, Response, Recovery, & Rebuilding, Mobile, AL, November 13, 2008.

Bhattacharjee, S., D.R. Petrolia, and W.C. Herndon. "Does Demand for Ethanol-Based Fuel Increase as the Ethanol Share Increases? A Contingent-Valuation Study for E85 Fuel." Poster, AAEA 2008 Annual Meeting, Orlando, FL, July 27-29.

Petrolia, D.R. and T. Kim. "Mississippi's Barrier Islands: A Contingent-Valuation Approach for Estimating WTP for Restoration." Southern Natural Resource Economics (SERA-30) Annual Meeting, Washington DC, May 23, 2008.

Acharya, A.M., S.D. Eksioglu, and D.R. Petrolia. "In-Bound supply chain design for biomass-to-ethanol industry: A study of Mississippi." IIE Annual Conference and Expo, Vancouver, BC, May 17-21, 2008

Acharya, A.M., S.D. Eksioglu, and D.R. Petrolia. "Making Ethanol Cost Effective by Means of Logistics and Supply Chain Management." Poster, Mississippi State University Biofuels Conference, August 27, 2007.

Bhattacharjee, S., D.R. Petrolia, and W.C. Herndon. "Analysis of U.S. Consumers Willingness to Pay (WTP) for E10 and E85 Ethanol." Poster, Mississippi State University Biofuels Conference, August 27, 2007.

Petrolia, D.R. "Impact of the Ethanol Industry on Agriculture", Mississippi State University Biofuels Conference, August 27, 2007.

Bhattacharjee, S., D.R. Petrolia, and W.C. Herndon. "Analysis of U.S. Consumers Willingness to Pay (WTP) for E10 and E85 Ethanol." Poster, AAEA 2007 Annual Meeting, Portland, July 29-Aug 1.

Sempier, S.H., T.R. Hanson, G. Evans, A. Myles, D.R. Petrolia, K.H. Coble, B. Posadas, and S. Hodge. "Developing a Foundation for Analysis of Natural and Human-Induced Disturbances to Coastal Economics" Poster, Center for Natural Resource Economics and Policy Conference, May 20-22, 2007, New Orleans.

Sempier, S.H., T.R. Hanson, G. Evans, A. Myles, D.R. Petrolia, K.H. Coble, B. Posadas, and S. Hodge. "Developing a Foundation for Analysis of Natural and Human-Induced Disturbances to Coastal Economics" Poster, 2007 Northern Gulf Institute Conference, Biloxi, May 16-17.

Petrolia, D.R. and R.H. Caffey. "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration: A Proposal." Center for Natural Resource Economics and Policy Conference, May 20-22, 2007, New Orleans.

Petrolia, D.R. "Ethanol from Biomass: Economic and Environmental Potential of Converting Corn Stover and Hardwood Forest Residue in Minnesota." Selected Paper Presentation, AAEA Annual Meetings, Long Beach, CA, July 23-26, 2006.

Petrolia, D.R. "Agricultural Drainage and Gulf Hypoxia: Economic Targeting of Farmland to Reduce Nitrogen Loads in a Minnesota Watershed," Selected Paper Presentation, AAEA Annual Meetings, Providence, RI, July 24-27, 2005.

Petrolia, D.R. and P. Lynn Kennedy. "A Partial-Equilibrium Simulation of Increasing the U.S. Tariff-Rate Sugar Quota for Cuba and Mexico," Selected Paper Presentation, AAEA Annual Meetings, Long Beach, CA, July 28-31, 2002.

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