

CURRICULUM VITAE

Julian J. Hwang

Associate Professor
Department of Marine and Coastal Environmental Science
Texas A&M University
Ocean and Coastal Studies Building, Room 364
Galveston, TX 77554
jjhwang@tamu.edu

EDUCATION

Ph.D. Food and Resource Economics, University of Florida, August 2020

M.S. Agricultural Economics, Mississippi State University, August 2013

B.B.A. Business Administration, Mississippi State University, May 2011

EMPLOYMENT

Texas A&M University
Associate Professor
Department of Marine and Coastal Environmental Science, August 2025 – Present

West Virginia University
Assistant Professor
School of Natural Resources and the Environment, July 2024 – August 2025
Division of Resource Economics and Management, November 2022 – June 2024
Undergraduate Coordinator
Agribusiness Management and Applied Economics, August 2024 – May 2025

University of Texas Rio Grande Valley, School of Earth, Environmental, and Marine Sciences
Professor of Practice, September 2021 – July 2022

Louisiana Workforce Commission, Office of Occupational Information Services
Chief Economist, October 2020 – October 2022

Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute
Chief Economist, August 2014 – October 2020

Mississippi State University, Department of Agricultural Economics
Research Associate, September 2013 – August 2014
Graduate Research Assistant, August 2011 – August 2013

National Oceanic and Atmospheric Administration - Northern Gulf Institute
Intern, May 2012 – August 2012

EDITORIAL SERVICE

Associate Editor, *Wetlands*. 2024 – Present

REFEREED JOURNAL ARTICLES (¹, ², and ³ indicate graduate student, undergraduate student, and postdoc, respectively)

Hwang, J.J. “Willingness-To-Pay for Wetland Restoration in Tampa Bay, Florida: Is It Really About Restoring Wetlands?” *Wetlands*. Forthcoming.

Hwang, J.J. and N. Issaka¹. “The Economic Benefit of Recycling: An Application of Travel Cost Method to Estimate the Consumer Surplus.” *Journal of Benefit-Cost Analysis*. Forthcoming.

Hwang, J.J. and Z. Gao. 2025. “Consumer Preferences for an Invasive Species as a Seafood Option – Evidence from Discrete Choice Experiments.” *Agricultural and Resource Economics Review*. DOI: <https://doi.org/10.1017/age.2025.16>.

Hwang, J.J. and D.R. Petrolia. 2025. “Revisiting Opt-out Responses and Consequentiality in Contingent Valuation.” *Journal of Agricultural and Resource Economics* 50(1): 162-178. DOI: <https://doi.org/10.22004/ag.econ.345276>.

Hwang, J.J., J. Strager, and M. Walker¹. 2025. “The Economic Benefit of Spearfishing as an Impure Public Good: A Case Study of Invasive Lionfish in Florida.” *Fisheries Research*. DOI: <https://doi.org/10.1016/j.fishres.2024.107194>.

Hwang, J.J. 2024. “Subjective Perceptions about Benefit and Cost Levels in Contingent Valuation.” *Agricultural and Resource Economics Review*. DOI: <https://doi.org/10.1017/age.2024.8>.

Gazal, K., J.J. Hwang, and B. Eastman³. 2024. “West Virginia Forest Landowners’ Preferences for Forest Carbon Offset Programs.” *Trees, Forests and People*. DOI: <https://doi.org/10.1016/j.tfp.2024.100683>.

Hwang, J.J. 2024. “Impacts of the COVID-19 Pandemic on Willingness-To-Pay for Wetlands: A Case Study of Coastal Wetlands in Tampa Bay.” *Wetlands* 44:94. DOI: <https://doi.org/10.1007/s13157-024-01838-z>.

Hwang, J.J. and D. Lee¹. 2024. “Economic Valuation of Becoming a Superhero.” *Journal of Cultural Economics*. DOI: <https://doi.org/10.1007/s10824-024-09513-1>.

- Hwang, J.J. 2024. “The Economic Value of Curbside Recycling as a Club Good and as a Public Good: A Case Study of Morgantown and Monongalia County, West Virginia.” *The American Journal of Economics and Sociology*. DOI: <http://doi.org/10.1111/ajes.12575>.
- Hwang, J., X. Bi, N. Morales, and E.V. Camp. 2021. “The Economic Value of Freshwater Fisheries in Florida: An Application of the Travel Cost Method for Black Crappie Fishing Trips.” *Fisheries Research* 233. DOI: <https://doi.org/10.1016/j.fishres.2020.105754>.
- Petrolia, D.R. and J. Hwang. 2020. “Accounting for Attribute Non-Attendance in Three Previously-Published Choice Studies of Coastal and Marine Resources.” *Marine Resource Economics* 35(3): 219-240.
- Alvarez S., D. Solis, and J. Hwang. 2019. “Modeling Shellfish Harvest Policies for Food Safety: Wild Oyster Harvest Restrictions to Prevent Foodborne *Vibrio Vulnificus*.” *Food Policy* 83: 219-230.
- Petrolia, D.R., M.G. Interis, and J. Hwang. 2018. “Single-Choice, Repeated-Choice, and Best-Worst Elicitation Formats: Do Results Differ and by How Much?” *Environmental and Resource Economics* 69(2): 365-93.
- 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): 272-295.
- Hwang, J., D.R. Petrolia, and M.G. Interis. 2014. “Consequentiality and Opt-out Responses in Stated Preference Surveys.” *Agricultural and Resource Economics Review* 43(3): 471-488.
- Petrolia, D., M. Interis, and 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.

BOOK CHAPTER

- Petrolia, D.R. and J.J. Hwang. “Attribute Non-Attendance in Stated Preference Methods.” *Handbook of Environmental Valuation*. Edward Elgar Publishing Ltd. Edits T. Haab, L. Ma, and J. Whitehead. Forthcoming.

TEACHING

West Virginia University

- ARE 150: Introductory Agricultural and Agribusiness Economics, Fall 2023
- ARE 220: Introductory Environmental and Resource Economics, Fall 2024
- ARE 410: Environmental and Resource Economics, Spring 2022, 2024
- ARE 496: Senior Thesis, Fall 2024, Spring 2025
- ARE 696 / 796: Graduate Seminar, Spring 2025

University of Texas Rio Grande Valley

ENVR 2302: Environment and Society (online), Fall 2021

EEMS 6300: Ecosystem Management (online), Spring, Summer 2022

MANUSCRIPTS IN REVIEW (¹, ², and ³ indicate graduate student, undergraduate student, and postdoc, respectively)

Hwang, J.J., Z. Gao, and C. Ela². “Identifying Strategies to Promote Invasive Lionfish as a Seafood Option: Evidence from a Discrete Choice Experiment with Interaction Effects.” Revise and resubmit.

Hwang, J.J., C.L. Williams, and D. Potter. “The Economic Value of Improving Parks and Greenspace in Houston, Texas.” Under review.

Hwang, J.J. “The Economic Value of Protecting Endangered or Threatened Species by Taxonomic Group.” Under review.

MANUSCRIPTS IN PREPERATION (¹, ², and ³ indicate graduate student, undergraduate student, and postdoc, respectively)

Hwang, J.J., L. Elbakidze, and C. Cade². “Effects of the Market Extent on Willingness-to-Pay Estimates: A Case Study of Candy Darter.”

Issaka, N¹. and J.J. Hwang. “Economic Valuation of Local Recycling Programs: A Simultaneous Estimation of the Revealed and Stated Preference Methods.”

Enyetornye, F¹., J.J. Hwang, and Z. Gao. “Effects of Additional Attributes in Discrete Choice Experiments: A Case Study of Lionfish.”

Hwang, J.J. and N. Issaka¹. “Random Utility Model, Indifference, and Willingness-to-Pay in Contingent Valuation.”

Hwang, J.J. “Economic Values of Good Nutrients, Bad Nutrients, Calories, and Indulgence: Evidence from a Discrete Choice Experiment and Attribute Scaling.”

Magnier, A., J.J. Hwang, and H.S. Weeks. “Sustainable Beach Management and Public Preferences: Evidence from Sargassum Cleanup in Florida.”

FUNDED RESEARCH GRANTS AND CONTRACTS

PI. “Economic Valuation of Recreational Fisheries in West Virginia.” 2025-2027. West Virginia Department of Natural Resources. \$116,599.

- Co-PI, with P.F. Ziemkiewicz (PI), L.C. Hopkinson (Co-PI), and M.J. O'Neal (Co-PI). "Assessment of Economic Benefits from Restoration of Three Fork Creek of the Tygart River Drainage." West Virginia Water Research Institute - State Water Resources Research Institute Program. 2023-2024. U.S. Geological Survey. \$293,687.25
- PI. "Assessment of the Recycling Program in West Virginia: A Case Study of Monongalia County." 2023-2024. Community Engagement Grants, West Virginia University. \$5,000.
- PI. "Framework for Assessing Economic Cost of Environmental Impacts from Life-Cycle Analyses with Focus on Biodiversity and Ecosystem Services." 2023-2024. Bureau of Economic Geology, the University of Texas at Austin. \$65,337.
- Collaborator, with D.R. Petrolia and J. Cartwright. "Linking Community Rating System Activities to Economic and Environmental Characteristics: Toward a Measure of Flood Resilience." 2016. Mississippi-Alabama Sea Grant Consortium. \$194,365.
- Collaborator, with D.R. Petrolia, K.W. Hood, and A. Collart. "Identifying New Market Opportunities for U.S. Catfish." 2014. Strategic Research Initiative, Mississippi Agricultural & Forestry Experiment Station. \$49,400.

OTHER PUBLICATION AND REPORTS

- Kim, G. and J.J. Hwang. 2024. "Review of the Cost of Life-Cycle Environmental Impacts." Project Report to the Bureau of Economic Geology, the University of Texas Austin.
- Hwang, J.J. 2024. "Assessment of the Recycling Program in West Virginia: A Case Study of Monongalia County." Project Report to Republic Services.
- Hwang, J.J. 2022. "A Benefit-Cost Analysis of Ending the Federal Supplementary Unemployment Insurance Benefits in Light of Labor Shortage." Report submitted to the Governor John Bel Edwards.
- Hwang, J.J. with K. Taylor-White, C. Williams, S. Dickson, N. Foster-Lawrence, K. Clark, M. Jones, K. Gleichman, and N. Roach. "Louisiana Workforce Information Review 2022." Statewide Report, Louisiana Workforce Commission.
- Hwang, J.J. with K. Taylor-White, E. Epps, K. Lewis, N. Foster-Lawrence, K. Clark, M. Jones, K. Gleichman, and N. Roach. "Louisiana Workforce Information Review 2021." Statewide Report, Louisiana Workforce Commission.
- Petrolia, D.R., M.G. Interis, M.K. Hidrue, J. Hwang, G. Kim, and R.G. Moore. "America's Wetland? A National Survey of Willingness to Pay for Restoration of Louisiana's Coastal Wetlands." Final Project Report, Department of Agricultural Economics, Mississippi State University, April 2012.

INVITED LECTURES AND SEMINARS

“Effective Management of Coastal and Marine Systems: A Case Study of Invasive Lionfish.” Seminar Series, Department of Marine and Coastal Environmental Science, Texas A&M University. Galveston, TX. February 20, 2025.

“Economics of Wildlife and Fisheries Management.” Wildlife and Fisheries Graduate Seminar, School of Natural Resources and the Environment, West Virginia University. Morgantown, WV. October 28, 2024.

“Economic Valuation of Insects as a Good and as a Bad.” Entomology Graduate Seminar, School of Natural Resources and the Environment, West Virginia University. Morgantown, WV. October 16, 2024.

“Consumer Preference for Invasive Species (Lionfish) and Research Topic Bias.” Graduate Seminar Series, Division of Resource Economics and Management, West Virginia University. Morgantown, WV. November 8, 2023.

“Stream and Wetland Restoration and Economics.” Invited Lecture, RESM 493&593 Stream Habitat and Bio-Restoration, West Virginia University. Morgantown, WV. October 24, 2023.

“Impacts of the COVID-19 Pandemic on Willingness-To-Pay for Environmental Goods and Services: A Case Study of Coastal Wetlands in Tampa Bay.” Seminar Series, Department of Economics and Finance, Florida Gulf Coast University. Fort Myers, FL. May 9, 2023.

“Impacts of the COVID-19 Pandemic on Willingness-To-Pay for Environmental Goods and Services: A Case Study of Coastal Wetlands in Tampa Bay.” Graduate Seminar Series, Division of Resource Economics and Management, West Virginia University. Morgantown, WV. March 22, 2023.

“Revisiting Opt-Out Responses in Contingent Valuation.” Department Seminar Series, Department of Agricultural Economics & Agribusiness, Louisiana State University. Baton Rouge, LA. November 18, 2022.

“Economics, Natural Resource Management, and Fisheries.” Graduate Seminar, Department of Aquaculture and Fisheries, University of Arkansas at Pine Bluff. Remote. February 1, 2022.

“Fish and Wildlife Resource Management and Economics.” CAFS Lecture Series, College of Agriculture and Food Sciences, Florida A&M University. Tallahassee, FL. March 19, 2015.

GRADUATE STUDENTS ADVISED

Texas A&M University
Ph.D. Committee Chair
Gisu Kim

West Virginia University

Graduate Research Assistant Advisor

Mariwan Mutala-Mohammed, Spring 2024 – Summer 2024

Freedom Enyetoranye, Fall 2023 – Summer 2025

Gisu Kim, Fall 2023 – Summer 2025

Nadiatu Issaka, Spring 2023 – Spring 2025

Ph.D. Committee Chair

Freedom Enyetoranye (Co-Chair)

Nadiatu Issaka (Co-Chair)

Ph.D. Committee Member

Mustahsin Ul Aziz

M.S. Committee Member

Ivan Andres Wong Vera

University of Texas Rio Grande Valley – M.S. Agricultural Environmental and Sustainability Sciences

Graduate Research Assistant Advisor

Oluwatoyin Onibaba, January 2022 – July 2022

University of Texas at Austin – M.S. Energy and Earth Resources

Committee Member.

Daniel Graf, August 2023. Thesis: “Harmonizing Ecosystem Services into Life Cycle Impacts of Modern Electricity Generation Options.”

UNDERGRADUATE STUDENTS ADVISED*West Virginia University – B.S. Environmental and Natural Resource Economics*

Chase Ela, May 2024. Thesis: “Consuming Lionfish: A Comprehensive Literature Review.”

Cameron Cade, December 2024. Thesis: “The Economic Value of Endangered Species: A Case Study of Candy Darter in Virginia and West Virginia.”

Dana Bodnar, December 2024. Thesis: “The Economic Value of Endangered Species: A Case Study of Diamond Darter in West Virginia.”

Noah McKenzie, May 2025. Thesis: “Review of Nonmarket Valuation Methods: Quantifying the Economic Value of Endangered Species in the United States.”

Katherine Collins, May 2025. Thesis: “Non-Market Valuation of Family Activities in Pittsburgh, Pennsylvania.”

UNIVERSITY SERVICE*West Virginia University*

Curriculum Committee, School of Community and Economic Development

Undergraduate Coordinator, *B.S. Agribusiness Management and Applied Economics*

Promotion & Tenure Committee, Division of Resource Economics and Management

Graduate Committee, *Ph.D. Natural Resource Economics*
 Undergraduate Curriculum Committee. Division of Resource Economics and Management.
 Judge, Student Research and Creative Scholarship Day. Davis College of Agriculture, Natural
 Resources, and Design. March 22, 2023.
 Outstanding Merit Fellowship Committee, Davis College of Agriculture, Natural Resources,
 and Design. 2023.
 Graduate Committee, M.S. Energy Environments
 Faculty Collaborator, Natural Resource Analysis Center

OTHER PROFESSIONAL SERVICE

Membership Committee, Northeastern Agricultural and Resource Economics Association. January
 January 2023 – October 2023

Advisory Board Member, College of Agriculture and Food Sciences, Florida A&M University.
 2015 – Present

Subject Matter Expert, “An Economic Valuation Study of the Indian River Lagoon”, the Florida
 Department of Economic Opportunity, the East Coast Florida Regional Planning Council, and
 the Treasure Coast Regional Planning Council. 2016.

Manuscript Reviewer

Agricultural and Resource Economics Review (2025)
Journal of Cultural Economics (2025)
Wetlands (2024)
Aquatic Conservation: Marine and Freshwater Ecosystems (2024)
Fisheries Management and Ecology (2024)
International Journal of Public Opinion Research (2023, 2024, 2025)
Marine Resource Economics (2023)
Fisheries Research (2023)
Southern Economic Journal (2022)
Lake and Reservoir Management (2020)
Wetlands Ecology and Management (2017)

Professional Membership

Agricultural and Applied Economics Association
Association of Environmental and Resource Economists
Northeastern Agricultural and Resource Economics Association

CONSULTING

“The Economic Valuation of Food Security Policies in Korea.” 2023.
Korea Rural Economic Institute

“The Economic Value of Tarpon Fisheries in Florida.” 2022.

*Captains for Clean Water**The Lucas Institute for Real Estate Development & Finance, Florida Gulf Coast University*PRESENTATIONS (presenter listed as lead author)

Hwang, J.J., Z. Gao, and C. Ela. "Identifying Strategies to Promote Invasive Lionfish as a Seafood Option: Evidence from a Discrete Choice Experiment with Interaction Effects." Southern Economic Association. Tampa, FL. November 22-24, 2025,

Otte, M. and J.J. Hwang. "The Cost of Wetland Loss in terms of Human Lives." United Nations University – Institute for Integrated Management of Material Fluxes and of Resources: Dresden Nexus Conference. Dresden, Germany. April 8-10, 2025.

Kim, G., J.J. Hwang, and J.H. Seok. "Changing Market Structure in U.S. Beef Industry before and after COVID-19." Southern Agricultural Economics Association. Atlanta, GA. February 3-6, 2024.

Hwang, J.J., A. Magnier, and H.S. Weeks. "The Economic Value of Tarpon Fisheries in Southwest Florida." Southern Agricultural Economics Association. Atlanta, GA. February 3-6, 2024.

Hwang, J.J. "Impacts of the COVID-19 Pandemic on Willingness-To-Pay for Environmental Goods and Services: A Case Study of Coastal Wetlands in Tampa Bay." W-5133 Multistate Hatch Project Meeting. New Orleans, LA. March 1-3, 2023.

Hwang, J.J. "Short-term and Long-term Industry and Occupational Forecasts." Workforce Investment Council. Baton Rouge, LA. September 15, 2022.

Hwang, J. "2020-2030 Industry and Occupational Forecasts." Occupational Forecast Conference. Baton Rouge, LA. June 14, 2022.

Hwang, J. "2021-2023 Industry and Occupational Forecasts." Occupational Forecast Conference. Baton Rouge, LA. March 31, 2022.

Hwang, J. "2020-2022 Industry and Occupational Forecasts – Regional Labor Market Area 1", Carl Perkins Region 1 Coalition Meeting. October 14, 2021.

Hwang, J. "2020-2022 Industry and Occupational Forecasts." Workforce Investment Council. Baton Rouge, LA. June 16, 2021.

Hwang, J. "2020-2022 Industry and Occupational Forecasts." Occupational Forecast Conference. Baton Rouge, LA. May 26, 2021.

Hwang, J. "2020-2022 Employment Projections." Workforce Investment Council. Baton Rouge, LA. March 10, 2021.

- Hwang, J. "2020-2022 Employment Projections." Occupational Forecast Conference. Baton Rouge, LA. March 3, 2021.
- Hwang, J. and D.R. Petrolia. "Revisiting Opt-out Responses in Contingent Valuation." W4133 Multistate Research Project: Costs and Benefits of Natural Resources on Public and Private Lands: Management, Economic Valuation, and Integrated Decision-Making. Athens, GA. February 12-14, 2020.
- Hwang, J., E. Camp, and N. Morales. "An Economic Evaluation of Fishing Tournaments in Florida: A Case Study for Lake Okeechobee." Center for Natural Resource Economics & Policy. New Orleans, LA. March 19-21, 2019.
- 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?" Southern Economic Association. Atlanta, GA. November 22-24, 2014.
- Petrolia, D.R., J. Hwang, C.E. Landry, and K.H. Coble. "Wind Insurance and Mitigation in the Coastal Zone." Departmental Seminar. Department of Agricultural Economics & Agribusiness, Louisiana State University. June 6, 2014.
- 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?" Departmental Seminar, Department of Agricultural Economics & Agribusiness, Louisiana State University. May 28, 2014.
- 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?" W4133 Multistate Research Project: Costs and Benefits of Natural Resources on Public and Private Lands: Management, Economic Valuation, and Integrated Decision-Making. Orange Beach, AL. February 19-21, 2014.
- Hwang, J., D.R. Petrolia, and M.G. Interis. "Yes Votes, No votes, and Non-Votes for Proposed Coastal Restoration in Louisiana." Center for Natural Resource Economics & Policy. New Orleans, LA. March 24-26, 2013.
- Hwang, J., D.R. Petrolia, and M.G. Interis. "What to do with "Prefer Not to Vote" Responses from Contingent Valuation Surveys?" Southern Agricultural Economics Association. Orlando, FL. February 4-7, 2013.
- Interis, M., J. Hwang, and D.R. Petrolia. "Not Choosing is a Choice: Consequentiality and "Opt Out" Responses to Choice Surveys." W3133 W4133 Multistate Research Project: Costs and Benefits of Natural Resources on Public and Private Lands: Management, Economic Valuation, and Integrated Decision-Making. Coeur d'Alene, ID. February 27-March 1, 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." Southern Agricultural Economics Association. Orlando, FL. February 2-5, 2013.