

Jana R. Hilsenroth (Huebner)

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EDUCATION

Ph.D., Interdisciplinary Ecology 2019
University of Florida Gainesville, FL
Concentration: Food and Resource Economics
Dissertation: *Changing Seas: Potential effects of increasing oceanic temperature on the black pearl aquaculture industry in French Polynesia.*

Bachelor of Science, Biology and Marine Science 2013
University of Tampa Tampa, FL

PROFESSIONAL EXPERIENCE

University of Florida Gainesville, FL
Postdoctoral Research Associate, *Food and Resource Economics* 2021-present

Determine the economic implications of alterations in coastal ecosystem services (i.e. fisheries, aquaculture, and recreation) under basin-wide changes in land/water use and climate change of the Suwannee River basin using stated preference and revealed preference methods. Worked within transdisciplinary team.

Postdoctoral Research Associate, *Food and Resource Economics* 2019-2021

Determined private forest landowners' perceptions of wildfire risk, current fire management practices, and factors that affect the landowners' willingness to participate in cost-sharing programs to implement wildfire mitigation strategies through conducting surveys and choice experiments. Worked within interdisciplinary team.

Dissertation Research, *School of Natural Resources and Environment* 2013-2019

Quantified the implicit value of black pearl characteristics and their associated levels of quality using hedonic modeling. Explored the effect of temperature on two biofouling accumulation metrics, mass and percent cover, among shellfish and finfish aquaculture industries using a meta-analysis. Assessed altered environmental scenarios to determine the optimal production strategies for the black pearl industry in French Polynesia through the creation of a bioeconomic model.

Graduate Research Assistant, *School of Natural Resources and Environment* 2013-2015

Assisted in density-dependent experiments and evaluated species distribution of *Muricids* in French Polynesia. Collected data within field and laboratory settings. Worked within a collaborative, team-orientated environment.

PUBLICATIONS

- Hilsenroth JR**, Josephson A, Grogan KA, Walters LM, Plakias ZT, Palm-Forster LH, Banerjee S, and Wade T. 2021. Past, Present, and Future: Status of Women and Minority Faculty in Agricultural and Applied Economics. *Applied Economic Perspectives and Policy* <https://doi.org/10.1002/aep.13191>
- Hilsenroth JR**, Frazer TK, and Grogan KA. 2021. Assessing the effects of increasing surface seawater temperature on black pearl production in French Polynesia: A bioeconomic simulation. *Ecological Economics* 181:106914. <https://doi.org/10.1016/j.ecolecon.2020.106914>
- Brown AL, Frazer TK, Li G, **Hilsenroth JR**, Shirma JS, and Osenberg CW. 2019. Hidden predators on coral reefs: muricid consumption of vermetids. *Marine Ecology Progress Series* 615: 121-131. <https://doi.org/10.3354/meps12920>
- Hilsenroth JR**, Larkin S, and Frazer, TK. 2018. The Price of Pretty: Characteristics of black Tahitian pearls and their implicit values. *Applied Economics* 50(42): 4582-4591. <https://doi.org/10.1080/00036846.2018.1458196>
- Cho A, Johnson SA, Schuman C, Adler J, Gonzalez O, Graves SJ, **Huebner, JR** et al. 2014. Women are underrepresented on the editorial boards of journals in environmental biology and natural resource management. *PeerJ* 2:e542. <http://dx.doi.org/10.7717/peerj.542>

PUBLICATIONS IN REVIEW & PREPARATION

- Hilsenroth JR**, Crandall R, Sharp M, and Grogan KA. In Review. Toilet Paper and Wildfires and Pandemics, Oh My! The Impact of COVID-19 on Management of Non-Industrial Private Forests in the Southeastern United States. *Forest Policy and Economics*.
- Hilsenroth JR** and Grogan KA. In Prep. Current perceptions of wildfire risk and fire management practices for non-industrial private forest landowners in the Southern US. *Intended for Journal of Forestry*.
- Hilsenroth JR** and Grogan KA. In Prep. Non-industrial private forest landowners' willingness to participate in wildfire mitigation cost-share program. *Intended for Ecological Economics*.

CONTRIBUTIONS TO CONFERENCES & SYMPOSIA

- Hilsenroth JR**, Grogan KA, Crandall R, Sharp M and Morgan S. *Fuel management in the southeastern United States: Perspectives from non-industrial private forest landowners*. Western Economic Association International, June 27-30. *Virtual due to COVID-19.
- Hilsenroth JR** and Grogan KA. 2020. *Changing Seas: Potential effects of increasing ocean temperature on the black pearl industry in French Polynesia*. Association of Environmental and Resource Economists, June 3-5. *Virtual due to COVID-19.

Hilsenroth JR and Grogan KA. 2019. *Changing Seas: Potential effects of increasing ocean temperature on the black pearl industry in French Polynesia*. School of Natural Resource and the Environment Seminar Series, Gainesville, Florida.

Hilsenroth JR and Frazer TK. 2018. *Temperature effects on biofouling: implication for the aquaculture industry*. 3rd Annual School of Natural Resource and the Environmental Research Symposium, Gainesville, Florida.

Hilsenroth JR and Frazer TK. 2017. *A tale of two industries: preliminary results of temperature effects on biofouling in finfish and shellfish aquaculture*. Sixth Annual School of Forest Resources and Conservation Fisheries Symposium, Gainesville, Florida.

Hilsenroth JR and Frazer TK. 2017. *A tale of two industries: preliminary results of temperature effects on biofouling in finfish and shellfish aquaculture*. National Association of Shellfish, Knoxville, Tennessee. March 26-31. Poster Presentation.

Huebner JR, Larkin S, and Frazer TK. 2016. *Price of Pretty and Climate Change: Evaluating Tahitian Black Pearls*. School of Natural Resource and the Environment Research Symposium, Gainesville, Florida.

Huebner JR, Larkin S, and Frazer TK. 2016. *The Price of Pretty: the Estimation of the Value of Tahitian Black Pearl Characteristics*. Fifth Annual School of Forest Resources and Conservation Fisheries Symposium, Gainesville, Florida.

TEACHING EXPERIENCE

University of Florida

Gainesville, FL

Instructor

Introduction to Natural Resources and Environmental Economics (AEB 3450) 2019-2021

Utilized team-based learning (TBL) to showcase the complexity of environmental problems and how economics can provide potential solutions for 50 students. Managed and mentored one teaching assistant.

Introduction to Environmental Science (EVR 2001) 2018-2019

Presented challenging environmental topics to non-major students, implemented weekly active-learning activities, and assessed learning outcomes for 100 students. Ensured consistency and cohesion with other sections of this course. Managed and mentored one teaching assistant.

Environmental Science and Humanities Laboratory (EVS 3000L) 2016-2017

Independently developed weekly lectures, facilitated discussions, developed assignments, and assessments. Coordinated labs highlighting energy production, green development, agriculture, and land/water management. Emphasized skills and techniques to search and apply for a job in environmental science through lectures, assignments, and connecting students to members of the Gainesville community through labs.

Graduate Teaching Assistant

Introduction to Environmental Science (EVR 2001) 2017-2018
Played a key role in enhancing course material. Developed and implemented active-learning activities and technology into the course. Delivered a third of the course lectures. Assisted in the creation and grading of assignments for 95 students.

University of Tampa Tampa, FL
Outreach Coordinator: Microbiology 2013
Developed and delivered a two-day teaching module for high school biology students focused on microbiology.

Teaching Assistant: Marine Ecology 2012-2013
Prepared and assisted with weekly ecology fieldtrips around the Tampa Bay area and guest lectured on tropical western Atlantic species identification.

PROFESSIONAL DEVELOPMENT & TEACHING CERTIFICATIONS

University of Florida Gainesville, FL
Women Lead: UF Institute for Early Career Scholars 2021-2022
Knowledge of the Fundamental of Team-Based Learning Certification 2020
Data Carpentry Instructor 2020
Great Teaching Certificate, Concentration in Active Learning 2019
Teaching Enhancement Symposium 2019
Train-the-Trainer, Ally Skills Workshop 2019
Flipping your Classroom with Team-Based Learning Workshop 2019
Teaching Enhancement Symposium 2018
Ally Skills Workshop 2018
Graduate Assistant Teaching Development Certification 2017
Graduate Assistant Teaching with Technology Certification 2017

INVITED PRESENTATIONS

Bledsoe, E., Lewis, K., Ye, H., **Hilsenroth, JR.** 2020. Ally Skills Workshop. Invited Speaker for UF's Faculty and Leadership Administration in Biology, Wildlife Conservation and Ecology, and Library Science Departments. Gainesville, FL.

Hilsenroth, JR. 2019. *Dynamic Optimization in R: Workshop*. Invited Guest Lecture for UF's Natural Resource Economics Graduate Course. Gainesville, FL.

Hilsenroth, JR. 2019. *Navigating life after college: Insider tips on graduate school*. Invited panelist for UF's "Environmental Science and Humanities Laboratory" undergraduate course. Gainesville, FL.

Hilsenroth, JR. 2018. *Life as a Scientist*. Invited Guest Lecture for Durant High School "Marine Science" course, extension of the "Great American Teach In". Plant City, FL.

- Hilsenroth, JR.** 2018. *The Health of Central Florida Springs: Human Impacts and Policy Options*. Invited field trip leader and guest lecturer for UF's Microeconomics Principles and Analysis Graduate Course. High Springs, FL.
- Hilsenroth, JR.** 2017. *Fish Identification for Tropical Western Atlantic*. Invited Guest Lecture for UF's "Marine Biology" undergraduate course. July 6, 2017. Gainesville, FL.
- Hilsenroth, JR.** 2017. *Environmental Economics: Valuing our Changing Resources*. Guest Lecture for UF's "Natural Resources and Climate Change" Graduate Course. Gainesville, FL

AWARDS & GRANTS

UF Accelerate to Industry Scholarship, <i>Outstanding Application</i>	Spring 2020
Graduate Student Teaching Award, <i>Recipient</i>	Spring 2019
College of Agricultural and Life Sciences Mini Grant for Distance Education	Spring 2019
Graduate Student Teaching Award, <i>Nominee</i>	Fall 2018
Doris Lowe and Earl and Verna Lowe Scholarship	2018-2019
Graduate Student Teaching Award, <i>Nominee</i>	Spring 2018
UF Institute of Food and Agricultural Sciences Travel Grant	Spring 2017
UF School of Natural Resources and Environment Travel Grant	Fall 2016
PeerJ's "20 Memorable Articles From 2014"- Cho <i>et al.</i> 2014	2014
University of Tampa Presidential Scholar	2009-2013
University of Tampa Life Science Scholarship	2009-2013

MENTORSHIP

Robert Botta, Ph.D. Candidate, Interdisciplinary Ecology	2021
Roberto Koenke, Ph.D. student, Food and Resource Economics	2021
Jaya Maduri, <i>first-generation undergraduate</i>	2020-2021
Vianka Ordonez, <i>first-generation undergraduate</i>	2019-2020
Bristol Rigby, <i>marine science undergraduate</i>	2018

PROFESSIONAL SERVICE

Inclusion, Diversity, Equity, and Access Departmental Committee, <i>Member</i>	2020-Present
Junior Faculty Brown Bag Seminar, <i>Organizer</i>	2020
Ally Skills Network, <i>Member & Team Leader</i>	2019-Present
Agricultural & Applied Economics Association, <i>Member</i>	2019-Present
Committee on Women in Agricultural Economics, <i>Member</i>	2021-Present
First-Generation Student Success, <i>Life Coach</i>	2019-Present
Natural Resources Diversity Initiative, <i>Member</i>	2018-Present
American Economic Association, <i>Member</i>	2018- Present
National Shellfish Association, <i>Member</i>	2016-2019
UF SNRE Research Symposium, <i>Founder & Manager</i>	2016-2019

UF Wildlife Graduate Students Association, <i>Mentor</i>	2018-2019
UF SNRE Graduate Student Council, <i>President</i>	2015-2016
UF SNRE Graduate Student Council, <i>Treasurer</i>	2014-2015
UF SNRE Graduate Student Council, <i>Member</i>	2013-2014

SKILLS AND CERTIFICATIONS

Programming:

R, Stata, GIS

Diving:

AAUS Scientific Diver

PADI Divemaster

Ecological:

Coral Restoration Diver II

Reef Check EcoDiver

Transportation/Health:

Florida Boater Safety Card

Class E Driver's License

REFERENCES

Dr. Kelly Grogan
Postdoctoral Advisor
 1185 McCarty Hall A
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 Gainesville, FL 32611
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Dr. Misti Sharp
*Team-Based Learning
 Mentor*
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Dr. Shirley Baker
Research & Teaching
 7922 NW 71st St.
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Dr. Thomas K. Frazer
Ph.D. Advisor
 140 Seventh Ave, KRC
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Dr. Danny Coenen
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