

Sergio Alvarez

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Employment History

2018 – Present	Assistant Professor, Department of Tourism, Events, and Attractions, Rosen College of Hospitality Management, University of Central Florida
2014 – Present	Courtesy Professor and Adjunct Faculty, College of Agriculture and Food Sciences, Florida A&M University
2013 – 2018	Chief Economist, Florida Department of Agriculture and Consumer Services
2014 – 2018	Courtesy Professor, Food and Resource Economics Department, University of Florida
2006 – 2013	Teaching and Research Assistant, Food and Resource Economics Department, University of Florida

Education

Ph.D. Food and Resource Economics, University of Florida, 2013

M.S. Food and Resource Economics, University of Florida, 2008

B.A. Environmental Sciences, Summa Cum Laude, University of Florida, 2006

Research

Peer Reviewed Journal Articles

- Whitehead JC, Haab T, Larkin S, Loomis J, **Alvarez S**, and Ropicki A (2018) Estimating Lost Recreational Use Values of Visitors to Northwest Florida due to the Deepwater Horizon Oil Spill Using Cancelled Trip Data. *Marine Resource Economics* 33(2):119-132
- **Alvarez S**, Larkin SL, and Ropicki A (2017) Optimizing Provision of Ecosystem Services Using Modern Portfolio Theory. *Ecosystem Services* 27: 25-37
- Divate N, Solis D, Thomas MH, **Alvarez S**, and Harding D (2017) An Economic Analysis of the Impact of Cogongrass among Nonindustrial Private Forest Landowners in Florida. *Forest Science* 63(2): 201-208
- **Alvarez S**, Asci S, and Vorotnikova E (2016) Valuing the Potential Benefits of Water Quality Improvements in Watersheds Affected by Non-Point Source Pollution. *Water* 8(4)112: 1-16

- **Alvarez S**, Rohrig E, Solis D, and Thomas MH (2016) Citrus Greening Disease (Huanglongbing) in Florida: Economic Impact, Management, and the Potential for Biological Control. *Agricultural Research* 5(2): 109-118
- **Alvarez S** (2016) Potential Economic Costs of Invasive Structural Pests: Conehead Termites, *Nasutitermes corniger*, in Florida. *Journal of Environmental Planning and Management* 59(12):2145-2162
- **Alvarez S**, Larkin S, Whitehead J, and Haab T (2014) A revealed preference approach to valuing non-market recreational fishing losses from the Deepwater Horizon oil spill. *Journal of Environmental Management* 145: 199-209
- **Alvarez S** and Larkin SL (2010) Valuing Ecological Restoration and Recreational Benefits in a Mountain Protected Area: The Case of Los Nevados National Park, Colombia. *Journal of Sustainable Development* 3(4): 3-16

Other Peer-Reviewed

- **Alvarez S**, Evans EA, and Hodges AW (2016) Estimated Costs and Regional Economic Impacts of the Oriental Fruit Fly (*Bactrocera dorsalis*) Outbreak in Miami-Dade County, Florida. University of Florida IFAS Extension EDIS FE988 (<https://edis.ifas.ufl.edu/fe988>)
- Larkin SL, **Alvarez S**, Sylvia G, and Harte M (2011) Practical Considerations in Using Bioeconomic Modelling for Rebuilding Fisheries. *OECD Food, Agriculture, and Fisheries Working Papers* No 38 OECD Publishing

Under Review

- **Alvarez S**, Solis D, and Hwang J. Modeling Shellfish Harvest Policies for Food Safety: Wild Oyster Harvest Restrictions to Prevent Foodborne *Vibrio Vulnificus*. Under review at *Food Policy*
- **Alvarez S**, Bampasidou M, and Solis D. Gains from Collaboration: State and Local Government Working Together to Improve Services. Under review at *Evaluation Review*

Working Papers

- **Alvarez S**, Soto J, Lai J, Adams D, and Escobedo F. Heterogeneous Preferences for Urban Forest Attributes: A Latent Class Model
- **Alvarez S**, Solis D, and Thomas M. Response Time to Biological Invasions Determines their Costs and Chances of Successful Eradication

Works in Progress

- Assessing the impacts of tropical weather systems: Hurricane Irma's devastation in Florida. With Mauricio Arias and Sara Wander
- Consumer choices for ecosystem service and disservice attributes from urban forest landscapes. With Jose Soto, Francisco Escobedo, and Damian Adams
- Trade impacts of specialty crops imports from Mexico to the US: A welfare economic analysis. With Michee Lachaud and Daniel Solis.

- Economic benefits and impact of the air potato biocontrol program in Florida. With Michael Thomas, Daniel Solis, Eric Rohrig, and Min Rayamajhi
- Hedonic prices of wild and farm raised fish. With Glen Gold and Sherry Larkin
- Distance decay in willingness to pay for ecosystem restoration in a developing country.

Grant-Funded Research

- Ecosystem-based fishery management: An interdisciplinary approach to evaluating grouper harvest policies, Florida SeaGrant (\$200,000; Researcher)
- Lost passive and recreational use value and economic impacts on northwest Florida from the Deepwater Horizon oil spill, Florida Legislature (\$750,000; Researcher)
- Use of Bioeconomic Models to Rebuild Overfished Fisheries, Organization for Economic Cooperation and Development (OECD) (\$7,500; Researcher)
- Valuing Recreational Benefits of a National Park in Andean Colombia, Tropical Conservation and Development Program, University of Florida (\$2,000; PI)

Presentations

- USDA Agriculture Outlook Forum, Washington DC, February 2018.
- Southern Economics Association Annual Meetings, Tampa, FL, November 2017
- Florida Energy Summit, Ft. Lauderdale, FL, October 2017
- Florida Department of Agriculture and Consumer Services Research Forum, Tallahassee, FL, October 2017
- Department of Agricultural Economics and Agribusiness, Louisiana State University, Baton Rouge, LA, June 2017
- Southeast Evaluation Association Conference, Tallahassee, FL, March 2017
- Southern Agricultural Economics Association Annual Meetings, Mobile, AL, Feb 2017
- College of Agriculture and Food Sciences Seminar – Florida Agricultural and Mechanical University, Tallahassee, FL, February 2017
- House of Representatives Committee on Finance and Taxation, Florida Legislature, Tallahassee, FL, November 2015
- NSF Food-Energy-Water Nexus Symposium, Boulder, CO, October 2015
- Florida Department of Agriculture and Consumer Services – Senior Management Meeting, Tallahassee, FL, August 2015
- Southern Agricultural Economics Association Annual Meetings, Atlanta, GA, Feb 2015
- College of Agriculture and Food Sciences Seminar – Florida Agricultural and Mechanical University, Tallahassee, FL, September 2014
- Florida Department of Agriculture and Consumer Services – Ag Science Cafe, Tallahassee, FL, August 2014
- Agricultural and Applied Economics Association Annual Meetings, Minneapolis, MN, July 2014

- School of Forest Resources and Conservation, University of Florida, Gainesville, FL, July 2014
- Center for Natural Resource Economics and Policy, New Orleans, LA, March 2013
- Schools of Economics and Marine Sciences, University of Maine, Orono, ME, February 2013
- Gulf and Caribbean Fisheries Institute Symposium, Santa Marta, Colombia, Nov 2012
- Agricultural and Applied Economics Association Annual Meetings, Seattle, WA, Aug 2012
- Workshop in Food and Resource Economics Invited Lecture, Gainesville, FL, Aug 2012
- W2004 Workshop on Fisheries Economics, Cedar Key, FL, May 2012
- Welfare Economics Invited Lecture, Gainesville, FL, March 2012
- North American Association of Fisheries Economists Forum, Honolulu HI, May 2011
- Gulf of Mexico Fisheries Management Council, Ecosystem Science and Statistical Committee, Tampa, FL, Nov 2010
- Tropical Conservation and Development Seminar (Tropilunch), University of Florida, Gainesville, FL, Jan 2010
- Southern Agricultural Economics Association Annual Meetings, Dallas, TX, Feb 2008

Selected Media Coverage

- [“Irma’s Toll on Agriculture: More than \\$2.5B”](#) Gainesville Sun, October 5 2017
- [“At Least \\$4.1 Million Lost In South Florida Fruit Fly Outbreak”](#) Growing Produce, July 5 2016
- [“UF helps assess the economic hit taken from BP oil spill”](#) Gainesville Sun, September 14 2014

Teaching and Mentoring

Graduate Committee Member

Kimberly Marie, Master of Agribusiness, Florida A&M University, Graduated 2016

Tamico Nelson, Master of Agribusiness, Florida A&M University

Kartik Joshi, Master of Agribusiness, Florida A&M University

Gakpetor Godfred, Master of Agribusiness, Florida A&M University

Instructor

College of Agriculture and Food Sciences, Florida A&M University, Tallahassee

AEB 4261 Agricultural Policy (14 students), Fall 2016

AEB 5516 Quantitative Methods in Agribusiness (3 students), Fall 2015

Science-Policy Fellowship Co-host and Supervisor

Florida Department of Agriculture and Consumer Services, Tallahassee

Co-design and supervise a post-doctoral fellowship program for soon to be PhD graduates in the STEM fields to work in the policy arena

Economics Intern Host and Supervisor

Florida Department of Agriculture and Consumer Services, Tallahassee

Designed and supervised an internship program for graduate and undergraduate students in economics from multiple state universities

Teaching Assistant

Food and Resource Economics Department, University of Florida, Gainesville

AEB 4334: Agricultural Price Analysis, Spring 2010 (60 students)

AEB 4274: Natural Resource and Environmental Policy, Spring 2008 (25 students)

AEB 2451: Valuing Environmental Protection in Florida, Fall 2006, 2007, 2009, 2010 (120 - 200 students)

Professional Service*Service in Advisory Boards*

Agribusiness Program at Florida A&M University

Fruit and Vegetable Supply Chains: Climate Adaptation and Mitigation Opportunities; NIFA Award # 2017-68002-26789

Reviewer for

AAEA Annual Meetings

Journal of Environmental Management

Journal of Cultural Economics

Marine Resource Economics

Environmental and Resource Economics

Environment and Development

Economics

Social Science Quarterly

Marine Policy

Ecosystem Services

Ecological Economics

Appetite

International Journal of Biometeorology

Journal of Environmental Planning and

Management

Regional Science, Policy and Practice

UF-IFAS Extension Documents

USDA Specialty Crop Block Grants

Membership in

Southern Agricultural Economics Association

Southern Economic Association

Agricultural and Applied Economics Association

North American Association of Fisheries Economists

Southern Evaluation Association

Seminar organizer for

Florida Department of Agriculture and Consumer Services, Monthly Ag Science Café

Food and Resource Economics - Graduate Student Organization, Weekly Seminar Series

Grants, Fellowships & Awards

- Prudential Productivity Award Commendation (2016), Florida Tax Watch
- High Impact Research Publication (2015), Institute of Food and Agricultural Sciences, University of Florida
- Legacy Leadership Program (2015), Florida Department of Agriculture and Consumer Services
- Prairie Project Sustainability Graduate Fellow (2013), University of Florida
- Alumni Fellowship for PhD Studies (2008-2012), Food and Resource Economics Department, University of Florida
- McPherson Scholarship for Graduate Student Travel (2012), Food and Resource Economics Department, University of Florida
- Research Programs Grant for Graduate Student Travel to Professional Conferences (2008, 2011, 2012), University of Florida
- College of Agricultural and Life Sciences Grant for Graduate Student Travel (2008, 2011, 2012), University of Florida
- Tropical Conservation and Development Program Field Research Grant (2007), University of Florida
- Golden Key International Honor Society, Recognition of Outstanding Achievement (2005), University of Florida
- President's Honor Roll, University of Florida (Spring 2005, Fall 2005, Spring 2006)
- Dean's List, College of Agricultural and Life Sciences, University of Florida (Fall 2004, Spring 2005, Fall 2005, Spring 2006)
- Outstanding Achievement, University of Florida International Center (2005, 2006, 2007, 2008)