

Daniel A. Solís

Assistant Professor

College of Agriculture and Food Sciences

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EDUCATION:

- 2005 Ph.D. Agricultural and Resource Economics, University of Connecticut.
- 2002 M.S. Agricultural and Resource Economics, University of Connecticut.
- 1998 B.S. Agricultural Engineer, University of Talca - Chile (*Summa Cum Laude*).

AREAS OF INTEREST:

Development and Environmental Economics; Production, Productivity and Efficiency Analysis; Climate and Weather Economics; and Impact Evaluation.

LANGUAGES:

English (very fluent) and Spanish (native)

ACADEMIC EMPLOYMENT:

- 2014-present *Assistant Professor*, Agribusiness Program, College of Agriculture and Food Sciences, Florida A&M University.
Faculty Affiliate, Center for Water Resources, 2014-present.
- 2006-2014 *Associate Scientist* (2012-14), *Assistant Scientist* (2006-12), Division of Marine Affairs and Policy, Rosenstiel School of Marine and Atmospheric Science, University of Miami.
- 2008-2014 *Adjunct Faculty*, Agribusiness Program, Florida A&M University.
- 2005-2006 *Visiting Research Fellow*, Department of Economics, U. of Oviedo, Spain.
- 1999-2005 *Research Associate*, Office of International Affairs, U. of Connecticut.
- Summer 2003 *Intern*, Inter-American Development Bank, Environment and Natural Resources Management Division, Washington DC.
- 1997-99 *Research and Teaching Assistant*, Department of Agricultural Economics, U. of Talca.

OTHER ACADEMIC APPOINTMENTS:

- Summer 2016, *Visiting Professor*, Department of Economics, University of Catilla-La Mancha, SPAIN.
- Summer 2014, *Visiting Professor*, Department of Agricultural Economics, University of Talca, CHILE.
- 2007-2014, *Research Fellow*, COAPS, Florida State University.

AWARDS AND HONORS:

- 2017 *Emerging Researcher Award*, Florida A&M University.
- 2015-16 *Most Read Author* at Florida A&M University, Research Gate.
- 2014 *Faculty Research Awards Program (FRAP)*, Florida A&M University.
- 2009 *Who's Who in America*, Marquis Publications.
- 2006 *International Networking for Young Scientist Grant*, British Council – USA.
- 2005-2006 *Research Grant*, Group of Productivity and Efficiency Analysis, U. of Oviedo, Spain.
- 2003 *"Hispanidad y Esfuerzo"*, for academic achievements, A.I.E.C.H., Chile.
- 1999-2005 *Research Assistant Fellowship*, U. of Connecticut.
- 1996-1998 *Teaching Assistant Fellowship*, U. of Talca, Chile.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

American Agricultural (Agr.) Economics (Econ.) Association (Assoc.); Southern Agr. Econ. Assoc.; Florida Academy of Science; Florida Climate Institute; Southeast Climate Consortium; EuroMed Academy of Business.

OTHER PROFESSIONAL EXPERIENCE:Editorial Board Member:

Journal (J.) of Development and Agricultural Economics, 2009-present.

Economía Agraria, 2014-present.

Reviewer for the following journals:

American J. Agricultural Economics

J. of Agricultural Economic

Environment and Development Economics

J. of Productivity Analysis

Empirical Economics

China Economic Review

Economics Bulletin

Land Degradation & Development

Int. J. of Environment and Pollution

J. of the Asia Pacific Economy

Weather, Climate and Society

Economía Agraria y Recursos Naturales

Environmental Engineering & Management J.

Ocean & Coastal Management

North American J. of Fisheries Management

J. of Environment and Development

Inter-American Development Bank Working Paper Series

Agricultural Economics

J. of Agricultural and Applied Economics

Ecological Economics

Southern Economic J.

Applied Economics

Agricultural Systems

J. of Sustainable Forestry

J. of Development and Agricultural Economics

J. of the Operational Research Society

Choices

Agribusiness: an International J.

Revista Ciencia e Investigación Agraria

Int. Food and Agribusiness Management Review

Canadian Journal of Agricultural Economics

Review of Industrial Organization

Reviewer Book proposal:

Frontiers of Agriculture, Bentham Science Publishers, 2015.

Reviewer of Grant Proposals to:

USDA – SARE, Southern SARE Professional Development Program, 2017

New York Sea Grant. Special Research Call, 2014

Florida Department of Agriculture and Consumer Services. Specialty Crop Block grant, 2014.

NOAA - National Marine Fisheries Service. Saltonstall-Kennedy grants, 2013.

The National Commission for Scientific and Technological Research (CONICYT, Chile), 2013.

Professional Conference Activities:

Member, Poster Committee, Southern Agricultural Economics Association (SAEA), 2017-2020.

Session Chair, Session 62: Environmental Economics, SAEA annual meeting, 2016.

Reviewer, Proceedings of the 8th Annual Conference, EuroMed Academy of Business, 2015.

Local Coordinator, ALPHA Project: Dairy Sector in Latin America and Europe. European Union, 2006.

Organizing Committee, Aquaculture, Ecology and Economics: Towards a Sustainable Paradigm, 2003.

COURSES TAUGHT AT FLORIDA A&M UNIVERSITY:

GRADUATE COURSES:

- AGG 5825: *Statistical Methods in Research I*, Fall 2014,15,16.
AGG 5827: *Statistical Methods in Research II*, Spring 2014, Spring 2015, Spring 2016
AEB 5555: *Econometrics*, Fall 2012.
AEB 5185: *Advanced Agricultural Production Economics*, Spring 2009.

UNDERGRADUATE COURSES:

- AEB 2104: *Economics of Agriculture* Fall 2008, Fall 2009, Spring 2015, Fall 2016, Spring 2017
AEB 3305: *Global Marketing of Agricultural Products*, Spring 2013.
AEB 3143: *Agricultural Finance*, Spring 2015, Spring 2016
AEB 3331: *Agricultural Prices*, Spring 2017
AEB 4283: *Development Economics*, Spring 2010, Spring 2013, Fall 2014.
AEB 4906: *Problems in Agricultural Economics*, Spring 2016
AGG 2004: *Introduction to Agricultural Sciences*, Fall 2014
AGG 4950: *Overseas Studies*, Spring 2017

COURSES TAUGHT AT OTHER INSTITUTIONS:

- Impact Evaluation (e-learning)*, Summer 2013, FAO.
Quantitative Methods, Summer 2003, U. of Göttingen (Germany).
Cost-Benefit Analysis, Summer 2000-02, U. of Connecticut.
Agricultural Economics, Fall 1998, Fall 1999, U. of Talca (Chile).

NEW COURSE DEVELOPMENT:

- AEB 4283: International Development Policy.

NEW MINOR DEVELOPMENT:

- Minor in Agribusiness, Approved, November, 2015.
Minor in Global Agriculture (with H. Paul), Approved, April, 2017.

REFEREED JOURNAL PUBLICATIONS:

- Jara-Rojas, R., B. E. Bravo-Ureta, **D. Solís** and D. Martínez. Technical efficiency and marketing channels among small-scale farmers: Evidence for raspberry production in Chile. *International Food and Agribusiness Management Review*. FORTHCOMING.
- Agar, J., M. Shivlani and **D. Solís**. The Commercial Trap Fishery in the Commonwealth of Puerto Rico: An Economic, Social and Technological Profile. *North American Journal of Fisheries Management* 37: 778-788.
- Divate, N., **D. Solís**, M. Thomas, S. Alvarez and D. Harding. An Economic Analysis of the Impact of Cogongrass among Non-Industrial Private Forest Landowners in Florida. *Forest Science* 63(2): 201-208. **2017**.
- Mhina, G., N. Leppla, M. Thomas and **D. Solís**. Cost effectiveness of biological control of invasive mole crickets in Florida pastures. *Biological Control* 100: 108-115. **2016**.
- Alavez, S., E. Rohrig, **D. Solís** and M. Thomas. "Citrus Greening Disease (Huanglongbing) in Florida: Economic Impact, Management, and the Potential for Biological Control". *Agricultural Research* 5(2), 109-118. **2016**.
- Solís, D.**, J. Agar and J. del Corral. "ITQs and Total Factor Productivity Changes: The Case of the Gulf of Mexico Red Snapper Fishery". *Marine Policy* 62: 347-357. **2015**.
- Solís, D.**, J. del Corral, L. Perruso and J. Agar. "Individual Fishing Quotas and Fishing Capacity in the US Gulf of Mexico Red Snapper Fishery". *Australian J. of Agric. and Resource Econ.* 59: 288-307. **2015**.
- Villano, R., E. Fleming, **D. Solís** and B. Bravo-Ureta. "Modern Rice Technologies and Productivity in the Philippines: Disentangling Technology from Managerial Gaps". *J. of Agricultural Economics* 66 (1): 129-154. **2015**.
- Solís, D.**, J. del Corral, L. Perruso and J. Agar. "Evaluating the Impact of Individual Fishing Quotas (IFQs) on the Technical Efficiency and Composition of the US Gulf of Mexico Red Snapper Commercial Fishing Fleet". *Food Policy* 46: 74-83. **2014**.
- González, M., B. Bravo-Ureta, **D. Solís** and P. Winters. "The Impact of High Value Markets on Smallholder Efficiency in the Ecuadorean Sierra: A Stochastic Production Frontier Approach Correcting For Selectivity Bias". *Food Policy* 44: 237-247. **2014**.
- Kalantari, A., V. Cabrera and **D. Solís**. "A Comparison Analysis of Two Alternative Dairy Cattle Replacement Policies: Optimization versus Simulation". *Economía Agraria* 18:12-24. **2014**.
- Solís, D.**, L. Perruso, J. del Corral, B. Stoffle and D. Letson. "Measuring the Initial Economic Effects of Hurricanes on Commercial Fish Production: The US Gulf of Mexico Grouper (*Serranidae*) Fishery". *Natural Hazards* 66 (2): 271-289. **2013**.
- Solís, D.** and D. Letson. "Assessing the Value of Climate Information and Forecasts for the Agricultural Sector in the Southeastern United States: Multi-Output Stochastic Frontier Approach". *Regional Environmental Change*. 13 (Supplement 1): 5-14. **2013**.
- Bravo-Ureta, B., W. Greene, **D. Solís**. "Technical Efficiency Analysis Correcting for Biases from Observed and Unobserved Variables: An Application to a Natural Resource Management Project". *Empirical Economics* 43(1): 55-72, **2012**.
- Kelly, D., D. Letson, F. Nelson, D. Nolan and **D. Solís**. "Evolution of Subjective Hurricane Risk Perceptions: A Bayesian Approach". *Journal of Economic Behavior & Organization* 81(2): 644-663, **2012**.
- Bravo-Ureta, B., A. Almeida, **D. Solís** and A. Inestroza. "The Economic Impact of MARENA's Investments on Sustainable Agricultural Systems in Honduras". *J. of Agricultural Economics* 62(2): 429-448, **2011**.

- Pancholy, N., M. Thomas, **D. Solís** and N. Stratis. "The Impact of Biofuels on the Propensity of Land-Use Conversion among Non-Industrial Private Forest Landowners in Florida". *Forest Policy and Economics* 13(7): 570-574, **2011**.
- Chidmi, B., **D. Solís** and V. Cabrera. "Analyzing the Sources of Technical Efficiency among Heterogeneous Dairy Farms: A Quantile Regression Approach". *Animal Production* 13(2):99-107, **2011**.
- Solís, D.**, M. Thomas and D. Letson. "An Empirical Evaluation of the Determinants of Household Hurricane Evacuation Choice". *J. of Development and Agricultural Economics* 2(3): 188-196, **2010**.
- Cabrera, V., **D. Solís** and J. del Corral. "Determinants of Technical Efficiency among Dairy Farms in Wisconsin". *J. of Dairy Science*, 93(1): 387-393, **2010**.
- Solís, D.**, B. Bravo-Ureta, R. Quiroga. "Technical Efficiency among Peasant Farmers Participating in Natural Resource Management Programs in Central America". *J. of Agricultural Economics* 60(1): 202-219, **2009**.
- Cabrera, V., **D. Solís** and D. Letson. "Selecting an Optimal Crop Insurance Strategy under Climate Variability: Contrasting Insurer and Farmer Interests". *Transaction of the American Society of Agricultural and Biological Engineers* 52(2): 623-631, **2009**.
- Alvarez, A., J. del Corral, **D. Solís** and J.A. Pérez. "Does Intensification Improve the Economic Efficiency of Dairy Farms?" *J. of Dairy Science* 91(9): 3699-3709, **2008**.
- Cabrera, V., R. Hagevoort and **D. Solís**, R. Kirksey and J. Diemer. "Economic Impact of Milk Production in New Mexico". *J. of Dairy Science* 91(5): 2144-2150, **2008**.
- Pomeroy, R., B. Bravo-Ureta, **D. Solís** and R. Johnston. "Bioeconomic Modelling and Salmon Aquaculture: an Overview of the Literature". *International J. of Environment and Pollution* 33(4): 485-500, **2008**.
- Solís, D.**, B. Bravo-Ureta and R. Quiroga. "Soil Conservation and Technical Efficiency among Hillside Farmers in Central America: A Switching Regression Model". *The Australian J. of Agricultural and Resource Economics* 51(4): 491-510, **2007**.
- Bravo-Ureta, B., **D. Solís**, V. Moreira, J. Manipani, A. Thiam and T. Rivas. "Technical Efficiency in Farming: a Metaregression Analysis". *J. of Productivity Analysis* 27(1): 57-72, **2007**.
- Alvarez, A., J. del Corral, J.A. Pérez and **D. Solís**. "Efecto de la Intensificación sobre la Eficiencia de las Explotaciones Lecheras". *Economía Agraria y Recursos Naturales* 7(13): 91-106, **2007**.
- Bravo-Ureta, B., **D. Solís**, H. Cocchi and R. Quiroga. "The Impact of Soil Conservation and Output Diversification on Farm Income in Central American Hillside Farming". *Agricultural Economics* 35(3): 267-276, **2006**.
- Solís, D.** and B. Bravo-Ureta. "Economic and Financial Sustainability of Private Agricultural Extension in El Salvador". *J. of Sustainable Agriculture* 26(2): 81-102, **2005**.
- Solís, D.** and J. Díaz. "Los Atributos de las Innovaciones Incorporados en la Metodología de Transferencia Tecnológica". *Panorama Socioeconómico* 19: 53-64, **1999**.
- Díaz, J. and **D. Solís**. "La Globalización y la Sustentabilidad: Nuevos Paradigmas en el Proceso de Modernización Económica". *Revista Universum* 12: 57-78, **1997**.

BOOK CHAPTERS:

- Asseng, S., **D. Solís** and others. "Chapter 7: Agriculture and Climate Change in the Southeast USA". **IN** K. Ingram, K. Dow, L. Carter and J. Anderson (eds.), *Climate of the Southeast United States: Variability, change, impacts, and vulnerability*, p.128-164, Island Press, Washington DC, **2013**.

Cabrera, V., **D. Solís**, G. Baigorria and D. Letson. “Chapter 7: Managing Climate Variability in Agricultural Analysis”. IN J.A. Long and D.S. Wells, *Ocean Circulation and El Niño: New Research*, p. 163-179, Nova Publishing, Inc., Hauppauge, NY, **2009**.

REFEREED JOURNAL PUBLICATIONS UNDER REVIEW:

Alvarez, S., M. Bampasidou and **D. Solís**. Leveraging Local Operational Capacity to Improve Effectiveness in State Government Processes: the Concealed Weapons Licenses Program in Florida. *Economics of Governance*.

WORK IN PROGRESS:

Alvarez, S., J. Hwang and **D. Solís**. A Bioeconomic Model of Shellfish Harvests Regulated for Food Safety

EXTENSION PUBLICATIONS, TECHNICAL REPORTS AND ABSTRACTS:

Mhina, G., N. Leppla, M. Thomas and **D. Solís**. Biological Control of Invasive Mole Crickets in Florida Pastures: Well worth the Cost. *The Florida Cattleman & Livestock Journal* 81(1): 55-58, **2016**.

D. Solís. “Money Tips for College Students: Tip #2: Credit Cards, or Debit Cards? That is the question!” FAMU SDA Newsletter 5 (2), **2016**.

D. Solís. “Money Tips for College Students: Tip #1: Make a Budget and Stick to It!” FAMU SDA Newsletter 5 (1), **2016**.

Pancholy, N., M. Thomas, **D. Solís** and N. Stratis. “Impact of Biofuels on the Propensity of Land-Use Conversion among Non-Industrial Private Forest Landowners in Florida”. Southeast Climate Consortium (SECC) Technical Report 11-001, **2011**.

Bravo-Ureta, B., A. Almeida, **D. Solís** and A. Inestroza (Abstract). “A Farm Level Analysis of the Economic Impact of the MARENA Program in Honduras”. *J. of Agricultural and Applied Economics* 42(3): 585-586, **2011**.

Cabrera, V., **D. Solís** and J. del Corral (Abstract). “The Effect of Traditional Practices in the Efficiency of Dairy Farms in Wisconsin”. *J. of Agricultural and Applied Economics* 42(3): 582, **2010**.

Solís, D., M. Thomas and D. Letson (Abstract) “Determinants of Household Hurricane Evacuation Choice in Florida”. *J. of Agricultural and Applied Economics* 41(2): 540, **2010**.

Kelly, D., D. Letson, F. Nelson, D. Nolan and **D. Solís**. “Evolution of Subjective Hurricane risk Perceptions: A Bayesian Approach”. Working Papers 0905, Department of Economics, University of Miami, **2009**.

Cabrera, V., **D. Solís**, G. Baigorria and D. Letson. “Managing Climate Risks to Agriculture: Evidence from El Niño”. SECC Technical Report 09-001, **2009**.

Cabrera, V. and **D. Solís** (Abstract). “Managing the Newly Created LGM-Dairy Insurance under Seasonal Climate Variability”. *Journal of Animal Science* 86 (E-2): 557, **2008**.

Cabrera, V., **D. Solís** and D. Letson. “Using Crop Insurance to Manage Climate Based Farm Risk: Comparing the Cases of Insurers and Farmers”. SECC Technical Report 08-002, **2008**.

Bravo-Ureta, B., H. Cocchi, **D. Solís**. “Adoption of Soil Conservation Technologies in El Salvador: A Cross-Section and Over-Time Analysis.” Inter-American Development Bank, OVE/WP-18/06, **2006**.

Bravo-Ureta, B., H. Cocchi, **D. Solís**. “Output Diversification among Small-Scale Hillside Farmers in El Salvador.” Inter-American Development Bank, OVE/WP-17/06, **2006**.

Solís, D. “Household Productivity and Investment in Soil Conservation: Evidence from Small-Scale Hillside Farmers in Central America”. Ph.D. Dissertation. U. of Connecticut, **2005**.

- Solís, D.** and B. Bravo-Ureta. “Are Private Farm Management Centers Feasible in El Salvador?” Latin American Studies Consortium of New England, Occasional Paper No. 21, **2003**.
- Bravo-Ureta, B., H. Cocchi, **D. Solís** and T. Rivas. “A Comparative Analysis of Three Resource Management Projects in Central America”. Inter-American Development Bank, **2003**.
- Solís, D.** “Rates of Return to Private Agricultural Extension: Evidence from Two Farm Management Centers in El Salvador”. M.S. Thesis. U. of Connecticut, **2002**.
- Solís, D.** “Relación entre los Atributos de una Innovación y las Variables Socioeconómicas de sus Adoptantes”. Agr. Eng. Thesis. U. of Talca. **1998**.
- Díaz, J., P. Manríquez and **D. Solís** (eds). “Estado, Sociedad y Sector Agrícola”. U. of Talca, **1997**.

BOOK REVIEWS:

- Solís, D.** Review of D. Raitzer and G. W. Norton, eds. “Prioritizing Agricultural Research for Development: Experiences and Lessons”. CABI. 2009. *J. of Agricultural Economics* 61(1): 247-248, **2011**.
- Solís, D.** Review of “Wind Energy – The Facts: a guide to the technology, economics and future of wind power by The European Wind Energy Association”. *International J. of Environment and Pollution (IJEP)* 43(4): 383–384, **2010**.
- Solís, D.** Review of F. Bresciani and A. Valdés , eds. “Beyond Food Production: The Role of Agriculture in Poverty Reduction”. FAO and Edward Elgar. 2007. *J. of Agricultural Economics* 60(3): 717-719, **2009**.
- Solís, D.** Review of J. Barry and R. Eckersley, eds. “The State and Global Ecological Crisis”. The MIT Press. 2005. *IJEP* 37(4): 466-467, **2009**.
- Solís, D.** Review of P. Johnson, K. Mayrand and M. Paquin, eds. “Governing Global Desertification: Linking Environmental Degradation, Poverty and Participation”. Ashgate. 2006. *IJEP* 35(2/3/4): 390-391, **2008**.
- Solís, D.** Review of K. O’Brien and C. Vogel, eds. “Coping with Climate Variability: The Use of Seasonal Climate Forecast in Southern Africa”. Ashgate. 2003. *IJEP* 32(3): 428-429, **2008**.
- Solís, D.** Review of H. Eakin. “Weathering Risk in Rural Mexico: Climatic, Institutional, and Economic Change.” University of Arizona Press. 2006. *Ecological Economics* 64(3): 676-677, **2008**.
- Solís, D.** Review of R. Katz and A. Murphy, eds. “Economic Value of Weather and Climate Forecasts”. Cambridge University Press. 2005. *IJEP* 30(1): 174-175, **2007**.

PRESENTATIONS AT PROFESSIONAL MEETINGS AND SEMINARS:

- “Technology and Management Gaps Using Stochastic Frontiers with 2-Round Panel Data: Preliminary Evidence from An Agricultural Development Project”. 15th EWEP, London, UK, June 12-15, **2017**.
- “A Bioeconomic Model of Shellfish Harvests Regulated for Food Safety”. SAEA Meeting, Mobile, AL, February 4-7, **2017**.
- “An Economic, Social and Technological Characterization of the Puerto Rican Commercial Trap Fishery”. SAEA Meeting, Mobile, AL, February 4-7, **2017**.
- “Willingness to Pay for Greenways and Trails: Tallahassee, Florida Experience”. SAEA Meeting, Mobile, AL, February 4-7, **2017**. (poster)
- “¿Es tan Ineficiente el Sistema universitario público español?” XXIV Encuentro de Economía Pública, Toledo, SPAIN, Jan 26-27, **2017**.
- “Cost effectiveness of biological control: invasive mole crickets in Florida pastures”, ESA-SEB annual meeting, Raleigh, North Carolina, March 13-16, **2016**.
- “Commercialization decisions and production efficiency among small-scale raspberry producers in Central Chile”, SAEA Meeting, San Antonio, TX, February 6-9, **2016**.

- “The Economic Impact of Cogongrass among Non-Industrial Private Forest Landowners in Florida”*, SAEA Meeting, San Antonio, TX, February 6-9, **2016**.
- “The impact of IFQs on the productivity of the US Gulf of Mexico Red Snapper Fishery”*, XIV EWEPa conference, Helsinki, Finland, 15-18 June, **2015**.
- “People’s willingness to resolve human-bear conflicts in Florida”*, W-3133 annual meeting, Pensacola Beach, Florida Feb 25-27, **2015**.
- “The impact of IFQs on the productivity of the US Gulf of Mexico Red Snapper Fishery”*, SAEA Meeting, Atlanta, GA, Jan 31 – Feb 3, **2015**.
- “Can Florida’s citrus industry be saved while preserving the environment? An economic analysis for the bio-control of the Asian Citrus Psyllid”*, SAEA Meeting, Atlanta, GA, Jan 31 – Feb 3, **2015**.
- “Public Preferences for Improving Water Quality in Spring-Fed Recreational Areas”*, SAEA Meeting, Atlanta, GA, Jan 31 – Feb 3, **2015**.
- “The Effect of IFQs on the Total Factor Productivity of the US Gulf of Mexico Red Snapper Fishery”*, VI CEP EFIDUCO, Cordova, Spain, May 26-28, **2014**.
- “The Economic Impact of Extreme Weather on Commercial Fish Production”*, SECC annual meeting, Tallahassee, FL, May 7-9, **2014**.
- “Reducing Risks in Agriculture: Adapting to Seasonal Climate Variability”*. Department of Agricultural Economics, University of Talca. Talca, Chile, Dec. 18, **2013**. (by invitation)
- “Evaluating the Impact of Individual Fishing Quotas (IFQs) on the Technical Efficiency and Composition of the US Gulf of Mexico Red Snapper Commercial Fishing Fleet”*. Florida Fishing and Wildlife Research Institute. St. Petersburg, FL. Feb. 20, **2013**. (by invitation)
- “Modern rice technologies and productivity in the Philippines: disentangling technology from managerial gaps”*. Asia-pacific Productivity Conference, Bangkok, Thailand, July 25-27, **2012**.
- “Evaluating the impact of high value markets on smallholder efficiency in the Ecuadorean Sierra: A stochastic production frontier approach correcting for selectivity bias”*. IAAE meeting, Foz do Iguacu, Brazil, Aug18-24, **2012**.
- “Short-term economic impact of hurricanes on commercial fish production: the case of the US Gulf of Mexico reef fish fishery targeting grouper”*. 2012 CPASW, Miami, FL, Mar. 13-15, **2012**.
- “The impact of biofuels on the propensity of land-use conversion among non-industrial private forest landowners in Florida”*. SAEA annual Meeting, Corpus Christi, TX, Feb 5-8, **2011**.
- “Assessing the value of climate information in agriculture using the Stochastic Production Frontier approach”*. 35th NOAA - CDP Workshop, Raleigh, NC, Oct 4-7, **2010**.
- “Analyzing the Determinants of Technical Efficiency among Traditional Dairy Farms in Wisconsin: A Quantile Regression Approach”*. AAEA annual meeting, Denver, CO, Jul 25–27, **2010**.
- “The Effect of Traditional Practices in the Efficiency of Dairy Farms in Wisconsin”*. SAEA Meeting, Orlando, FL, Feb 6-9, **2010**.
- “A Farm Level Analysis of the Economic Impact of the MARENA Program in Honduras”*. SAEA annual Meeting, Orlando, FL, Feb 6-9, **2010**.
- “Selectivity Bias in Stochastic Production Frontier Models: An Application to Hillside Farmers in Honduras”* XI EWEPa, June 23-26, Pisa, Italy, **2009**.
- “Determinants of Household Hurricane Evacuation Choice in Florida”*. SAEA annual Meeting, Atlanta, GA, Jan 31 - Feb 3, **2009**.
- “Managing the newly created LGM-Dairy insurance under seasonal climate variability”*. 2008 Joint ADSA-ASAS annual meeting, Indianapolis, IN, July 7-11, **2008**.
- “Climate Variability and Agricultural Productivity: Evidence from Southeastern US”*. 2008 CPASW, Chapell Hill, NC, Mar 2-6, **2008**.
- “Optimal Crop-Insurance Strategies under Climate Variability: Contrasting Insurer and Farmer Interests”*. AAEA annual meeting, Portland, OR, Jul 29-Aug 1, **2007**.
- “Evolution of Subjective Hurricane Risk Perceptions: A Bayesian Approach”*. CNREP annual meeting, New Orleans, May 20-22, **2007**.

- “*Household Efficiency among Small-Scale Farmers in Central America: A Multi-Input Multi-Output Analysis*”. 3rd Spanish Productivity Workshop, Spain, Apr 26-27, **2007**.
- “*Technical Efficiency and Adoption of Soil Conservation in El Salvador and Honduras*”. 26th Conf. of the Inter. Assoc. of Agric. Econ., Queensland, Australia, Aug 12-18, **2006**.
- “*The effect of Soil Conservation on Technical Efficiency: Evidence from Central America*”. AAEA annual meeting, Long Beach, Jul 23-26, **2006**.
- “*Impact of Farming Intensity on the Cost Frontier: Evidence from the Spanish Dairy Sector*”. 4th North American Productivity Workshop, NY, Jun 27-30, **2006**.
- “*Farm Household Efficiency in Central America: A Comparison of Stochastic and Deterministic Approaches*”. Series on Productivity Analysis. U. of Oviedo, Spain, Jul 12, **2005**.
- “*Multi-Output Technical Efficiency for Hillside Farm Households in Central America using SDF and DEA Methods*”. IX EWEPA, Brussels, Belgium, June 29 - Jul 1, **2005**.
- “*Bioeconomic Modeling and Salmon Aquaculture*”. International Workshop: Aquaculture, Ecology and Economics: Towards a Sustainable Paradigm. Puerto Varas, Chile, Dec 9-11, **2003**.
- “*Un Análisis Económico del Valor de la Tierra en Chile: Un Enfoque Hedónico*”. 34th Argentinean Agric. Econ. Assoc. annual Meeting, Oct 30-31, **2003**.
- “*A Farm Level Investment Analysis Using Linear Programming*”. Georg-August-Universität Göttingen, Germany, Oct 11, **2003** (by invitation).
- “*Are Private Farm Management Centers Feasible in El Salvador?*” Deutscher Tropentag (DT), Göttingen, Germany, Oct 8-10, **2003** (poster).
- “*The Effect of Natural Resource Management Projects on Farm Income: Evidence from Peasant Farmers in Central America*”. DT, Göttingen, Germany, Oct 8-10, **2003** (poster).
- “*Rates of Return to Private Agricultural Extension: Evidence from two Farm Management Centers in El Salvador*”. AAEA annual meeting, Montreal, Canada, Jul 27-30, **2003**.
- “*Nuevos Enfoques en las Teorías del Desarrollo: Globalización y Sustentabilidad*”. XXIX Argentinean Agric. Econ. Assoc. annual Meeting. La Plata, Argentina. **1998**.
- “*Los Atributos de las Innovaciones Incorporados en la Metodología de Transferencia Tecnológica*”. III Chilean Agric. Econ. Assoc. annual Meeting, Santiago de Chile, Oct 29-30, **1998**.

EXTERNALLY FUNDED PROJECTS AND GRANTS:

- “*Resource Allocation under Alternative Access Arrangements*”. Funded by: NOAA, Fisheries. October 2017- July 2018 (PI). \$19,000.
- “*Assessing the Impact of Climatic Effects and Forest Disturbances on Timber Supply in Florida*”. Funded by: USDA, McIntire-Stennis program. September 2017 – September 2018 (PI). \$31,000.
- “*The AgEcon Scholars Mentoring Program*”. Funded by: USDA-ERS. 2016-2018 (PI). \$30,000.
- “*Student Development Funds*”. Funded by: Monsanto Co. 2014-2016 (PI). \$15,000.
- “*Pre-economic analysis of the economic impact of Air-potato: APHIS cooperative agreement*”. Funded by: USDA – APHIS. 2013-2014 (Co-PI). \$50,000.
- “*Climate variability to climate change: Extension challenges and opportunities in the Southeast USA*” Funded by: USDA – NIFA. 2014-2016 (Co-PI). \$150,000.
- “*Modeling heterogeneous production processes in the GOM red snapper fishery*” Funded by: NOAA, Fisheries. July 2013 – July 2014 (P.I.). \$24,000.
- “*Assessment of capacity in the Gulf of Mexico IFQ red snapper fishery*”. Funded by: NOAA, Fisheries. January 2012 – December 2012 (P.I.). \$24,000.
- “*Assessing technical efficiency for the longline fleet targeting groupers and tilefishes in the gulf of Mexico Reef Fish Fishery*”. Funded by: NOAA, Fisheries. November 2010 – October 2011 (P.I.). \$5,000.

“Optimizing future crop yield projections using weighted multi-model ensemble approaches: a new framework for an integrated climate application system”. Funded by: NSF-USDA. March 2011 – March 2013 (**P.I.**). \$150,000.

“Assessing the value of climate information in agriculture using a Stochastic Production Frontier”. Funded by: NWS Office of Science and Technology (OST) and Office of Climate, Water, and Weather Services (OCWWS). July 2010 – July 2011 (**Co-P.I.**).

“Decision support system for reducing agricultural risks caused by climate variability”. Funded by: USDA, CSREES. July 2008 – July 2010 (**Co-P.I.**).

INTERNALLY FUNDED PROJECTS AND GRANTS:

“Evans-Allen Undergraduate Research Assistantship” Funded by: CAFS-USDA. 2016. \$1,500.

“Faculty Travel Grant” Funded by: FAMU Division of Academic Affairs. 2015. \$1,421.

“The Effect of IFQs on the Total Productivity of the U.S. Gulf of Mexico Red Snapper Industry” Funded by: FAMU-SGR. 2014-2015 (**PI**). \$5,500.

STUDENT SUPERVISION:

Doctoral Committee

Vanessa Pacheco (exp. 2019), *External Member*, University of Talca (Chile)

Master's Committee

Kartik Joshi (exp. 2019), *Member*, M.S. Thesis Committee, Florida A&M University

Godfred Gakpetor (exp. 2019), *Member*, M.S. Thesis Committee, Florida A&M University

Jermaine Perier (exp. 2019), *External Member*, M.S. Thesis Committee, Florida A&M University

Gregory Mcnealy (exp. 2018), *Member*, M.S. Thesis Committee, Florida A&M University

Glyen Holmes II (2016), *Chair*, M.S. Thesis Committee.

Kimberly Marie (2016), *Chair*, M.S. Thesis Committee.

Grace Mhina (2013), *Member*, M.S. Thesis Committee, Florida A&M University. (2nd place, 2013 Graduate Student Award, Association of 1890 Research Directors).

Latasha Smith (2013), *Member*, M.S. Exam Committee, Florida A&M University.

Victoria Smith-Thomas (2013), *Member*, M.S. Thesis Committee, Florida A&M University.

Falan Goff (2013), *Member*, M.S. Exam Committee, Florida A&M University.

Nishita Pancholy (2010), *Member*, M.S. Thesis Committee, Florida A&M University.

UNDERGRADUATE

Boones Champa (2017)

Romario Chisholm (2016)

Gerard Gunner (2016)

Akilah George (2015-16)

Kendall Strickland (2014-15) (2nd place, poster competition, 2015 MANNRS; 2nd place, poster competition, 2015 CAFS Research Forum).

Mc.Arthur Jones (2014)

SERVICE TO FLORIDA A&M UNIVERSITY

Member, Search Committee, Dean, FAMU's School of Journalism & Graphic Communication, 2017

Member, Research Committee, Faculty Senate, 2017-2018.

Faculty Senator, 2015-2017.

Member, Committee-on-Committee, Faculty Senate, 2015-2016.

Co-Director, Florida Climate Institute branch at Florida A&M University, 2014-2015.

SERVICE TO THE COLLEGE OF AGRICULTURE AND FOOD SCIENCES

Program leader, Agribusiness program, 2015-present.

Chair, Search Committee, Assistant Professor of Agribusiness, 2016.

Co-Chair, Departmental Development Committee, Agribusiness and International Affairs, 2015.

Organizing committee, Conference: Pathways to Professions in Agriculture and Food Sciences, 2015-16.

Head Judge, Poster and Oral Presentations, CAFS Research Forum, 2015.

Co-Advisor, Agribusiness Club, 2014-2016.

Administrator, Agribusiness Program's Facebook and Twitter pages, 2014-2017.

Editor, CAFS' Facebook page, 2014-2017.

Member, OIAP-CAFS Semester Exchange Program Committee, 2014-present.

Member, CAFS Graduate Program Committee, 2014-present.

Member, CAFS Curriculum Committee, 2014-present.

SERVICE TO THE US GOVERNMENT AND THE STATE OF FLORIDA

Volunteer Professional Assistance, US Department of Commerce, NOAA National Marine Service.

Economic impact of IFQ on commercial fishing, 2012-present.

Volunteer Professional Assistance, Florida Fishing and Wildlife Conservation Commission.

People's willingness to avoid a conflict with black bears, 2014-2015.

Economic impact of endanger and rare species in Florida, 2013-2014.

Volunteer Professional Assistance, Florida Department of Agriculture and Consumer Services.

Economic impact of invasive species in Florida, 2014-present.

SERVICE TO THE PROFESSION

2017- Board Committee Member, the Council on Food, Agricultural and Resource Economics.

VOLUNTEER WORK

Volunteer, Leon County Schools, 2015-present.