

Maria Vrachioli

maria.vrachioli@tum.de

[Website](#)

EDUCATION

- **Ph.D.**, Food and Resource Economics GPA: 3.96/4.00
University of Florida, Gainesville, FL 08/2014 – 05/2018
Dissertation: “Agricultural Water Use, Efficiency and its Contribution to Total Factor Productivity”
Supervisor: *Dr. Spiro E. Stefanou*
- **M.A.**, Economics GPA: 8.50/10.00
University of Macedonia, Thessaloniki, Greece 10/2009 – 11/2011
Thesis: “A Non-Neutral, Non-Monotonic Inefficiency Effect Model Applied to the Greek Banking Sector”
Supervisor: *Dr. Giannis Karagiannis*
- **B.A.**, Economics GPA: 7.39/10.00
University of Macedonia, Thessaloniki, Greece 09/2005 - 09/2009
Thesis: “Econometric Approach of Quantitative and Qualitative Characteristics of the Housing Market in West and Central Thessaloniki”
Supervisor: *Dr. Theodoros Panagiotidis*

FIELDS OF INTEREST

Production Economics, Natural Resource Economics, Water Use Efficiency and Productivity, Applied Econometrics

PROFESSIONAL EXPERIENCE

- **Graduate Research and Teaching Assistant** 08/2015 – Present
University of Florida, Gainesville, FL
Food and Resource Economics Department
 - Research: (i) Develop a spatial model framework for water productivity measurement.
(ii) Assess the impact of using a new irrigation technology in the framework of the stochastic production frontier model.
 - Teaching: (i) Instructor: Econometrics (Undergrad, Evals: 4.62/5.00).
(ii) Teaching Assistant: *Agricultural Macro*, and *Economic Issues, Food and You*.
- **Graduate Research Assistant** 08/2014 – 07/2015
Pennsylvania State University, University Park, PA
Agricultural, Environmental and Regional Economics
Research: Estimate the impact of providing agricultural extension services to farmers while correcting for sample selection bias: The case of Crete, Greece.
- **Research Assistant** 04/2011 - 03/2014
University of Macedonia, Thessaloniki, Greece
European Union project: “**FADNTOOL: Integrating Econometric and Mathematical Programming Models into an Amendable Policy and Market Analysis Tool using Farm Accountancy Data Network (FADN) Database**” working on the following deliverables:
 1. Handbook on the use of FADN Database in Econometric Models
 2. A Dual Theoretical Model for Analyzing Farmers Economic Behavior using FADN Database
 3. An Empirical Analysis of Farm Model at a Sectoral, Regional and National Level using FADN
 4. Prototype of Simplified Econometric Model for Joint Project Tool

- **Research Assistant**

09/2009 - 11/2009

University of Macedonia, Thessaloniki, Greece

Project: “Data base creation for the hedonics estimation”. Participation in gathering and analyzing data about the characteristics of Thessaloniki’s houses for sale, which are found in the classified ads of the journals “Macedonia” and “Aggelioforos.”

WORKING PAPERS

- “Impact Evaluation of Alternative Irrigation Technology in Crete: Correcting for Selectivity Bias”. Target journal: *American Journal of Agricultural Economics*. - (Job market paper)
- “Agricultural Water Productivity under Spatial Adjustments” (with S. E. Stefanou and K. A. Grogan). Target journal: *Journal of Productivity Analysis*.
- “Theoretical Framework for REDD+ Payments based on the Extension of Rotation Length in Forest Plantations” (with Thales A. P. West, Chris Wilson, Kelly A. Grogan). Target journal: *Forest Policy and Economics*.

WORK IN PROGRESS

- “A Nonlinear Dynamic Approach for Assessing Water Table Response to Evapotranspiration Changes and Rainfall Events” (with R. Huffaker and K. Migliaccio). Target journal: *Agricultural Systems*.

PRESENTATIONS

- “Impact Evaluation of Agricultural Extension: Correcting for Selectivity Bias” at the *Gulf Coast Research and Education Center*, University of Florida, Wimauma FL, November 5 2016.
- “Agricultural Water Productivity under Spatial Adjustments” at the *2016 Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Boston MA, July 31-August 2016.
- “Impact Evaluation of Agricultural Extension in Crete” at the *9th North American Productivity Workshop (NAPW)*, Quebec City Canada, June 16-18 2016.
- “Cross sector Differences in Farm-level Productivity: The case of Greece” at the *13th European Workshop on Efficiency and Productivity Analysis*, Helsinki Finland, June 17-20 2013.
- “A Non-neutral Non-monotonic Inefficiency Effects Model” at the *7th North American Productivity Workshop (NAPW)*, Houston Texas, June 6-9 2012.
- “A Non-neutral Non-monotonic Inefficiency Effects Model Applied to Greek Banking Sector” at the *12th European Workshop on Efficiency and Productivity Analysis*, Verona Italy, June 21-24 2011.

TEACHING EXPERIENCE

- Instructor: *Econometrics* (Advanced Undergrad), University of Florida, Spring 2017.
- Instructor: *Mathematics Camp for Economists* (PhD), University of Florida, Summer 2016 & 2017.
- Guest Lecturer: *Microeconomic Principles & Analysis* (Master), two lectures in sequence covering the production function topic, University of Florida, Fall 2016.
- Guest Lecturer: *Agricultural Macroeconomics* (Undergrad), two lectures in sequence covering the Eurozone crisis topic, University of Florida, Fall 2016.
- Teaching Assistant: *Math Optimization and Economic Analysis* (PhD), University of Florida, Fall 2017.
- Teaching Assistant: *Agricultural Macro* (Undergrad), University of Florida, Spring 2015 & Fall 2016.
- Teaching Assistant: *Economic Issues, Food and You* (Undergrad), University of Florida, Fall 2015.

AWARDS

- A.S. Herlong Scholarship, College of Agricultural and Life Sciences, University of Florida, 2017-2018.
- Harold B. Clark Award, Food and Resource Economics, University of Florida, 2016-2017 and 2017-2018.
- Food and Resource Economics Travel Grant for AAEA 2016 and AAEA 2017 meetings, 2016 and 2017.
- Gerondelis Foundation Scholarship, U.S.A., 2016.
- Irrigation Foundation Conference, Education & Travel Award Winner, Las Vegas NV, 2016.
- IFAS Travel Grant for AAEA 2016 meeting in Boston MA, 2016.
- Award for Excellent Academic Performance, M.A. in Economics, University of Macedonia, 2009-2011.

SKILLS

Languages: Greek (Native language), English (Fluent), German (Functional)

Computer Software: R, Stata, Matlab, NLOGIT, ArcGIS and L^AT_EX.

PROFESSIONAL SERVICE

Reviewer, Journal of Productivity Analysis, 2016.

Member, Women in Social Sciences (WiSE), University of Florida, 2015-2017.

President of Graduate Student Organization, Food and Resource Economics, University of Florida, 2017 - 2018.

REFERENCES

Spiro E. Stefanou

Chair and Professor
Food and Resource Economics Department
University of Florida
1171 McCarty Hall A
Gainesville, FL 32611
Phone: 1. 352-294-7625
Email: sstefanou@ufl.edu

Kelly Grogan

Associate Professor
Food and Resource Economics Department
University of Florida
1183 McCarty Hall A
Gainesville, FL 32611
Phone: 1. 352-294-7633
Email: kellyagrogan@ufl.edu

Ray Huffaker

Professor
Department of Agricultural and Biological Engineering
University of Florida
281 Frazier Rogers Hall
Gainesville, FL 32611
Phone: 1. 352-392-1864
Email: rhuffaker@ufl.edu