

Maria Vrachioli

EDUCATION

- **Ph.D.** (in progress) in Food and Resource Economics GPA: 3.96/4.00
University of Florida, Gainesville, FL 08/2015 – (Expected, 2018)
Dissertation: “Measurement of Efficiency and Productivity of Water in Agriculture”
Supervisor: *Dr. Spiro E. Stefanou*
- **Doctoral Program** in Agricultural, Environmental and Regional Economics GPA: 3.69/4.00
Pennsylvania State University, University Park, PA 08/2014 – 07/2015
Passed Microeconomics and Quantitative Qualifying Examinations
Supervisor: *Dr. Spiro E. Stefanou*
- **M.A.** in 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.** in 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, Environmental Economics, Water Efficiency and Productivity, Applied Econometrics

RESEARCH 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
 Research assistant at the University of Macedonia Research Committee for the EU 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 Database
 4. Prototype Of Simplified Econometric Model For Joint Project Tool

- **Research Assistant** 09/2009 - 11/2009
University of Macedonia, Thessaloniki, Greece
 Research assistant at the University of Macedonia Research Institute for the project: “Data base creation for the hedonics estimation”. Participation in gathering and analyzing data about the characteristics of Thessalonikis houses for sale, which are found in the classified ads of the journals “Macedonia” and “Aggelioforos”.

WORKING PAPERS

- “Agricultural Water Productivity under Spatial Adjustments” (with S. E. Stefanou and K. A. Grogan)
- “Impact Evaluation of Agricultural Extension in Crete: Correcting for Selectivity Bias” (with S. Stefanou and V. Tzouvelekas)
- “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)
- “A Non-Neutral, Non-Monotonic Inefficiency Effect Model” (with G. Karagiannis)

WORK IN PROGRESS

- “Study on the Efficiency and Productivity of Water in Agriculture of OMVRA Tadla Region, Morocco” Water Global Practice Project, World Bank (with S. M. Scheierling, D. O. Treguer and S. E. Stefanou)
- “A Nonlinear Dynamic Approach for Assessing Water Table Response to Evapotranspiration Changes and Rainfall Events”(with R. Huffaker and K. Migliaccio)

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* (Undergrad), University of Florida, Spring 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.
- Instructor: *Mathematics Camp for Economists* (PhD), University of Florida, Summer 2016 & 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

- Harold B. Clark Award, Food and Resource Economics, University of Florida, 2016-2017 and 2017-2018.
- Gerondelis Foundation Scholarship (U.S.A.) 2016.
- Irrigation Foundation Conference, Participation & Travel Grant Winner, Las Vegas NV, 2016.
- IFAS Travel Grant for AAEEA2016 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 (Proficient), German (Good)

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

PROFESSIONAL SERVICE

Reviewer, Journal of Productivity Analysis, 2016.

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

REFERENCES

Spiro E. Stefanou

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Gainesville, FL 32611
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Ray Huffaker

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