

# Spiro E. Stefanou

---

## Curriculum Vitae

March 2014

Pennsylvania State University  
Armsby Building  
University Park, PA 16802 USA

553 Balmoral Circle  
State College, PA 16801

Office Phone: +1.814.863 8635  
Office FAX: +1.814.865 3746  
email: [SpiroS@psu.edu](mailto:SpiroS@psu.edu)  
webpage: <http://www.personal.psu.edu/ttc/>

Home phone:+1.814.237.4989

## PERSONAL

Born: Washington, DC, 3 April 1955  
Citizenship: USA  
Married (Candice R. Stefanou), two children: Alexa and Andrew

## EDUCATION

Ph.D., 1983	Agricultural Economics	University of California, Davis
M.S., 1979	Agricultural and Resource Economics	University of Maryland
B.A., 1977	Anthropology	George Washington University

## CURRENT POSITIONS

Pennsylvania State University		
Professor of Agricultural Economics		1995 – present
Fellow, Center for Food Innovation		2004 – present
Member, Operations Research Faculty		1984 – present
Assistant and Associate Professor of Agricultural Economics		1983 – 1995
Program Coordinator, Agribusiness Management Undergraduate Program		2013 – present
Lead Faculty and Coordinator, Agribusiness Management Undergraduate Online Program		2013 – present
Wageningen University (NL)		
Professor (part-time) of Business Economics		2007 – present
Fellow, Wageningen School of Social Sciences		2011 – present

## RESEARCH INTERESTS

Production Analysis  
Innovation, Growth and Performance in the Agricultural and Food Industries  
Dynamics of Economic Adjustment

## HONORS, FELLOWSHIPS, INVITED ADDRESSES & VISITING POSITIONS

### *Fellowships*

Fellow, American Agricultural Economics Association, 2006  
 Mansholt Senior Scholar, Business Economics, Wageningen University (NL), 2006  
 Marie Curie Senior Fellow, Economics, University of Crete (GR), 2006  
 Jean Monnet Fellow, European University Institute (I), 1990-1991

### *Honors*

Gamma Sigma Delta Research Award, Penn State Univ, 2013  
 Presidential Special Recognition Award, Agricultural and Applied Economics Association, 2010  
 Thesis Advisor of AAEA Outstanding Dissertation Award student, 1988 & 1997.  
 Thesis Advisor of MEMS *Torries Prize for Outstanding Graduate Research* student, 2003  
 Thesis Advisor of Allan B. Colburn Outstanding Dissertation Award student, Univ of Delaware, 1991.  
 Harbaugh Faculty Scholar Award, Penn State Univ, 2001  
 University Provost's Collaborative & Curricular Innovations Special Recognition Award, Penn State Univ, 1998  
 Gamma Sigma Delta, Honorary Society of Agriculture, elected 1997  
 Giannini Foundation Scholarship, University of California, 1979-1980

### *Invited Addresses*

Keynote Speaker, HAWEPA Workshop, Issues in Dynamic Efficiency Analysis, Institute for Ag Development in Middle & Eastern Europe, (D), 2012  
 Invited Advance Lecture Presentation, Taipei Productivity & Efficiency Conference, (TW) 2009  
 Plenary Presentation, Taipei Productivity and Efficiency Conference, (TW), 2009  
 Plenary Address, 3<sup>rd</sup> Hellenic Workshop of Productivity & Efficiency Measurement, Univ of Patras, (GR), 2006  
 Keynote Address, Conference: Policy and Competitiveness in a Changing Global Industry, Economic Research Service (USDA) & Farm Foundation, Washington, DC, 2005  
 Plenary Speaker, EAAE PhD Workshop, Wageningen University (NL), 2005  
 Keynote Address, Methodological and Empirical Issues of Productivity & Efficiency Measurement in the Agri-Food System, 91<sup>st</sup> EAAE Seminar, University of Crete (GR), 2004  
 Plenary Address, 2<sup>nd</sup> Hellenic Workshop of Productivity & Efficiency Measurement, University of Patras (GR), 2003  
 Second International Conference on Applications of Dynamic Models to Economics, National Central University (TW), 1996

### *Visiting Scholar*

University of Porto, Economics, (PT), 1996, 2007, 2010  
 MAI-Chania, Economics and Management Science, (GR) 2002 –2007  
 Institute for Ag Development in Middle & Eastern Europe (D), April 2006  
 University of Oviedo, Economics, (ES), May 2001  
 ITESM (Monterrey Tech), Food Engineering, (MX), May 2001  
 Wageningen University, Agricultural Economics and Policy, (NL), 1995, 1996  
 Institute for Advanced Studies, (AT), Economics 1994-1997  
 Tilburg University, Center for Economic Research, (NL), March 1991  
 University of Nitra, Mathematical Methods and Statistics, (SK), November 1990, May 1991  
 Aristotelian University of Thessaloniki, Agricultural Economics, (GR), May 1985

**INTERNATIONAL & NATIONAL SCIENTIFIC COMMITTEES & PANELS**

Member, USDA Agricultural Productivity Accounts External Review Panel, 2013-2014

Coordinator, External Review Panel for the Hellenic Quality Assurance and Accreditation Agency, Greece, Department of Economics, University of Crete, 2013-2014.

Member, Foundation of the *European Review of Agricultural Economics*, 2007- 2013, (reappointed) 2013-2018

Scientific Committee member, 91<sup>st</sup> EAAE Seminar on *Methodological and Empirical Issues of Productivity and Efficiency Measurement in the Agri-Food Sector*, University of Crete, Rethymno, September 2004

Scientific Committee member, 120<sup>th</sup> EAAE Seminar on *External Cost of Farming Activities: Economic Evaluation, Risk Considerations, Environmental Repercussions and Regulatory Framework*, Mediterranean Agronomic Institute of Chania (MAICh), Chania, Crete, September, 2010

Scientific Committee member for the following International Efficiency and Productivity Workshops:

EWEPa 8 (Univ of Oviedo, 2001)

HEWPEM I (Univ of Patras, 2001)

NAPW II (Union College, 2002)

EWEPa 9 (Univ of Oviedo, 2003)

HEWPEM II (Univ of Patras, 2003)

HEWPEM III (Univ of Patras, 2006)

NAPW IV (NYU-Stern, 2006)

APPC (Seoul National Univ, 2006)

NAPW IV (NYU-Stern, 2008)

Co-Organizer, Advanced Summer School in Economics and Econometrics, Univ of Crete, 2005-present

Conference Organizer, "Policy and Competitiveness in a Changing Global Industry," Economic Research Service (USDA) & Farm Foundation, Washington, DC, 2005

Member, External Review Panel of the Mansholt Graduate School, Wageningen University (NL), 2003

**EDITORIAL POSITIONS & SERVICE**

*Applied Economic Perspectives and Policy* (Journal of the Agricultural and Applied Economics Association)  
Managing Editor, Volumes 35-38 (2013-2016)

*American Journal of Agricultural Economics* (Journal of the Agricultural and Applied Economics Association)  
Guest Editor, *AAEA Centennial Issue*, Volume 93, Issue 2 (2009)

Co-Editor, Volumes 80-84 (1998-2002)

Associate Editor, Volumes 74-79 (1991-1997)

*NJAS* (Journal of the Royal Netherlands Society for Agricultural Sciences)

Associate editor, Volumes 55- (2008 - )

*European Review of Agricultural Economics*

Member, Foundation of the *European Review of Agricultural Economics*, 2007-

Associate Editor, Volumes 29-35 (2001-2008)

*Journal of Productivity Analysis*

Associate Editor, Volumes 17- (2002- )

Guest Editor, *Special Issue: Modeling R&D in U.S. Agriculture*, with K. Kerstens Volume 30, Issue 1 (2008)

*Agricultural Economics Review* (Journal of the Greek Society of Agricultural Economics)

Co-Editor, Volumes 3- (2004- )

Guest Editor, *Special Issue: Economics of Agricultural and Food Systems*, with G. Karagiannis & V. Tzouvelekas, Volume 10 Issue 1 (2009)

*AgBioForum*

Editorial Board, Volumes 6- (2003- )

*Northeastern Journal of Agricultural and Resource Economics*

Editorial Board, 1989-1992

*Journal Reviewer*

*Academia Economic Papers, Acta Agriculturae Scandinavica C - Food Economics, Applied Mathematical Modelling, AgBioForum, Agricultural Economics, Agricultural Economics Review, Agricultural and Resource Economics Review, American J of Agricultural Economics, Australian J of Agricultural and Resource Economics, Canadian J of Agricultural and Resource Economics, Canadian J of Economics, Ecological Applications, Ecological Economics, Econometric Reviews, Economic and Development Economics, Economic Inquiry, Economic Systems, Empirical Economics, European J of Operations Research, Energy J, European Review of Agricultural Economics, Economia Agraria y Recursos Naturales, Food Policy, International Economic Review, J of Agricultural and Resource Economics, J of Applied Econometrics, J of Comparative Economics, J of Econometrics, J of Economic and Environmental Management, J of Economic Dynamics and Control, J of Economic Geography, J of Productivity Analysis, J of Regional Science, Metroeconomica, NJAS-Wageningen J of Life Sciences, Quarterly J of Economics and Finance, Review of Agricultural Economics, Review of Industrial Economics, Southern Economic J*

## TEACHING

### COURSES TAUGHT

*Pennsylvania State University*

Undergraduate	Graduate
Principles of Agribusiness Management	Econometrics I
Freshman Seminar: Master Student	Econometrics II
Economics of Production	Quantitative Methods
Seminar in Agricultural Business Management	Advanced Production Economics II
Special Topic: Economic Valuation of Natural Resources	Dynamic Production Theory
Food Product Innovation Management	Applied Welfare Economics
	Agricultural Economics Colloquium
	Operations Research Colloquium

*Mediterranean Agronomic Institute (Chania, GR) -- Graduate*

Production Economics Foundations and Modeling, 2002

Optimal Resource Allocation and Welfare Economics, 2003-2007

*Wageningen University (NL) -- Graduate*

“Advanced Econometrics,” with Koos Gardebroek, doctoral course, June 2014.

“Organization of Agribusiness,” with Jos Bijman, Franz Bunte, Alfons Oude Lansink and Stephanie Bröring/Stefano Pascucci, Business Economic/Management Studies Research Masters course, October-December 2008-2011.

“Dynamic Efficiency and Production Analysis,” with Alfons Oude Lansink, Mansholt Graduate School, July 2008, July 2010, July 2012, July 2013.

“Parametric Approaches to Measuring Efficiency and Productivity Growth,” with Subal Kumbhakar, Mansholt Graduate School, July 2003 & June 2006.

“Productivity, Innovation and Technical Change,” Mansholt Graduate School, January 1995.

*Agricultural University of Athens (GR)*, “Lectures in Growth and Development,” March 2007.

*University of Crete (GR)*, Department of Economics lecture series, “Lectures in Dynamic Production Economics,” May 2006.

*Institute for Advanced Studies (AT)*, Postgraduate Program in Applied Economics, “Applied Microeconomics,” annually Spring 1994-1997.

*European University Institute (I)*, Department of Economics lecture series, “Dynamics of Economic Adjustment,” January 1991.

*University of Delaware*, Operations Research, “Theory and Applications in Dynamic Economic Analysis,” Spring 1989.

## PH.D SUPERVISION

Ching-Cheng Chang (1987), Yir-Hueih Luh (1990), Jorge Fernandez-Cornejo (Univ of Delaware, 1991), Panos Fousekis (1995), Elvira Silva (1996), Takeshi Ueda (2001), Onelack Choi (2003), Supawat Rungsuriyawiboon (Energy, Environmental & Mineral Economics, 2003), Pinar Celikkol (2003), Fang-I Wen (2004), Shengwu Du (2005), Lakshmi Balasubramanyan (2008), Grigorios Emvalomatis (2009), Fatima Lambarraa (University Polytechnic of Catalonia, 2009), Worawan Toommongkol (2011), Theodoros Skevas (Wageningen University, 2012), Apurba Shee (2012), Qiong Yang (2014), Daniela Puggioni (in progress), Monica Roa Rodriguez (in progress)

## M.S. SUPERVISION

John D. Wingard (1988), Jana Hranaiova (1994), Kathryn Anne DeRemer (1994), Pinar Celikkol (1996), Chin-Yuan Huang (1997), Byeong-Ok Song (2001), Grigorios Emvalomatis (2007), Nouman Al Ammouri (MAICh, 2008), Stoyan Anatosov (MAICh, 2008), Marija Pavleska (MAICh, 2009), Montira Mahinchai (2012)

Additional service as a committee member on over 50 doctoral dissertation committees in agricultural economics, economics, educational leadership, finance, higher education, industrial engineering, instructional systems, and mineral, and 8 master thesis committees in agricultural economics.

**VISTING SCHOLARS HOSTED***Pre-doctoral:*

Alfons Oude Lansink, Wageningen University (NL), 1997  
 Maroeska Boots, Wageningen University (NL), 1997  
 Koos Gardebroek, Wageningen University (NL), 2000  
 Kostas Chatzimichail, University of Crete (GR), 2006  
 Fatima Lambaarra, University Polytechnic of Catalonia (ES), 2007  
 Theodoros Skevas, Wageningen University (NL), 2009-10  
 Maman Setiawan, Wageningen University (NL), 2011  
 Magnus Kellermann, Technical University of Munich (D), 2012

*Post-doctoral:*

David Castilla , University of Huelva (ES), 2004  
 Yingzhou Liu, Northwest Agricultural and Forestry University (PRC), 2008-09  
 Ming-Miin Yu, National Taiwan Ocean University (TW). 2010-11  
 Lijin Yuan, Dongbei University of Finance and Economics (PRC), 2013-2014

**EXTERNAL THESIS EVALUATOR OR OPPONENT**

Alfons Oude Lansink, Agricultural Economics & Policy, Ph.D., Wageningen University (NL), 1997  
 Koos Gardebroek, Agricultural Economics & Policy, Ph.D., Wageningen University (NL), 2001  
 Meba Jardali, Economic Sciences, Mgmt & Finance, M.Sc., MAI (at Chania) (GR), 2003  
 Natalia Goncharova, Agricultural Econ & Rural Policy, Ph.D., Wageningen University (NL), 2007  
 Timo Sipiläinen, Faculty of Agriculture and Forestry, Ph.D., University of Helsinki (FI), 2008  
 Konstantinos Chatzimichael, Economics, Ph.D., University of Crete (GR), 2009  
 Bouali Guesmi, Agricultural Economics, Ph.D., University Polytechnic of Catalonia (E), 2013

**HONORS THESIS (UNDERGRADUATE)**

Gregory Harnish, Prospects for agricultural change in Mexico, Penn State University, 1994.  
 Rehka Rajagopalan, Economic feasibility of installing a methane digester on a dairy operation, Penn State University, 2006.  
 Chelsea Francis, The Emergence of the Asian Chocolate Market, Penn State University, 2010.

**PRESENTATIONS AT PROFESSIONAL MEETINGS**

International Agricultural Trade Research Consortium, Symposium, Seville, Spain, 2013  
 Agricultural and Applied Economics Association, Washington, DC, 2013  
 North American Productivity Workshop VII, Rice University, 2012  
 Agricultural and Applied Economics Association, Pittsburgh, 2011  
 Twelfth European Workshop on Efficiency and Productivity, Verona (Italy), 2011  
 Agricultural and Applied Economics Association, Denver, 2010  
 114<sup>th</sup> EAAE Seminar, Structural Change in Agriculture, Humboldt University, Berlin, 2010.  
 Agricultural and Applied Economics Association, Orlando, FL, 2008  
 North American Productivity Workshop V, Stern School, New York University, 2008  
 American Agricultural Economics Association, Portland, OR, 2007

Tenth European Workshop on Efficiency and Productivity, Lille (France), 2007  
 Invited Participant, National Academies of Science, Board on Agriculture and Natural Resources,  
 Education Leadership Summit, 2006  
 Food Distribution Research Society, Washington, DC, 2005  
 Producer Dynamics: New Evidence from Micro-Data, NBER, Washington, DC, 2005  
 Ninth European Workshop on Efficiency and Productivity, Brussels (Belgium), 2005  
 Producer Dynamics: New Evidence from Micro-Data, NBER, Boston, 2004  
 North American Productivity Workshop, University of Toronto (Canada) 2004  
 Fifth International Athens Institute for Education and Research Conference, 2003, Greece  
 Pre-Conference Workshop, Eighth European Workshop on Efficiency and Productivity Analysis,  
 Oviedo, (Spain), 2003  
 Eighth European Workshop on Efficiency and Productivity Analysis, Oviedo, (Spain), 2003  
 North American Productivity Workshop II, Union College, NY, 2002  
 Asian Conference on Efficiency and Productivity, Academia Sinica (Taiwan), 2002  
 International Atlantic Economics Society meetings, Washington, DC, 2002  
 Northeast Educational Research Association Annual Meetings, Kerhonkson, NY, 2001  
 Pennsylvania Association for Educational Communication and Technology, Hershey, PA, 2001  
 Seventh European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, 2001  
 Eighth Annual Teaching and Learning with Technology Symposium, Penn State Univ, 2000  
 North American Productivity Workshop, Union College, NY, 2000  
 International Atlantic Economics Society meetings, Charleston, SC, 2000  
 Seventh Annual Teaching and Learning with Technology Symposium, Penn State Univ, 1999  
 Sixth European Workshop on Efficiency and Productivity, Copenhagen (Denmark), 1999  
 The 1999 Assessment Institute, Indianapolis, IN, 1999  
 Faculty Development Conference, Penn State Berks-Lehigh College, 1998  
 Sixth Annual Teaching and Learning with Technology Symposium, Penn State Univ, 1998  
 Third Georgia Productivity and Efficiency Workshop, University of Georgia, 1998  
 Southern Economic Association Annual meetings, Baltimore, MD, 1998  
 Taipei Conference on Efficiency and Productivity, Academia Sinica (Taiwan), 1997  
 Society of Economic Dynamics, Oxford University (UK), 1997  
 American Agricultural Economics Association, Toronto, Canada, 1997  
 Fifth European Workshop on Efficiency and Productivity, Copenhagen (Denmark), 1997  
 VIII European Association of Agricultural Economics Congress, Edinburgh (Scotland), 1996  
 American Agricultural Economics Association, Indianapolis, IN, 1995  
 Fourth European Workshop on Productivity and Efficiency, CORE, (Louvain, Belgium), 1995  
 Georgia Productivity Workshop, University of Georgia, 1994  
 International Conference on New Dimensions in North American-European Agricultural Trade  
 Balance, Isola Capo Rizzuto, Calabria (Italy), 1993  
 American Agricultural Economics Association, Orlando, FL, 1993  
 VIIth European Association of Agricultural Economics Congress, Stresa (Italy), 1993  
 European Association of Agricultural Economics Seminar, Vysoke Tatry, (Slovakia), 1992  
 American Agricultural Economics Association, Baltimore, MD, 1992  
 International Agricultural Trade Research Consortium, St. Petersburg Beach, FL, 1992  
 Operations Research Society/The Institute of Management Science, Nashville, TN, 1991.  
 Eastern Economics Association Meetings, Cincinnati, OH, 1990  
 American Agricultural Economics Association, British Columbia (Canada), 1990  
 Symposium on "Agriculture in Transition," Vysoke Tatry (Czechoslovakia), 1990  
 International Federation of Automatic Control/Society of Economic Dynamics and Control, Heriot-  
 Watt University, Edinburgh, Scotland, 1989  
 American Association of Agricultural Economics, Louisiana State University, Baton Rouge, LA, 1989  
 (2 presentations)

Northeastern Association of Agricultural and Resource Economics, University of Maine, Orono, ME, 1988.  
 American Association of Agricultural Economics, Knoxville, TN, 1988  
 Southern Agricultural Economics Association, Nashville, TN, 1987  
 Conference of the Society of Economic Dynamics and Control, Boston College, Boston, MA, 1987  
 (3 presentations), 1987  
 Northeastern Association of Agri. & Resource Econ, West Virginia Univ, Morgantown, WV, 1986  
 American Agricultural Economics Association, Reno, NV, 1986  
 Symposium on Greek Agriculture, Aristotelian University of Thessaloniki, Thessaloniki, Greece, 1985  
 Northeastern Association of Agricultural and Resource Economics, Cornell University, Ithaca, NY, 1984  
 Operations Research Society/The Institute of Management Science, 1983  
 American Agricultural Economics Association, Purdue University, West Lafayette, IN, 1983

### INVITED SEMINARS AT RESEARCH INSTITUTIONS

**Austria:** Institute for Advanced Studies, Vienna, (Economics); University of Natural Resources & Applied Life Sciences (Institute for Economics, Politics and Law, 2 times), University of Linz (Economics); **Cyprus:** University of Cyprus (Economics); **Czech Republic:** Central European University, Prague (Economics); **Denmark:** University of Copenhagen (Institute of Food & Resource Economics); **Germany:** Center for Agricultural Development in Central and Middle Europe (IAMO); **Greece:** Agricultural University of Athens (Agribusiness Laboratory), Aristotelian University of Thessaloniki (Agricultural Economics), University of Crete (Economics, 2 times), University of Macedonia (Dept. of International Economics & Dept of Economics, 2 times); **Italy:** European University Institute, Florence (Economics), University of Siena (Economics, 2 times); **Mexico:** Instituto Tecnológico y de Estudios Superiores de Monterrey (Food Engineering); **Netherlands:** Free University of Amsterdam (Centre for World Food Studies), International Service for National Agricultural Research, The Hague, Tilburg University, Tilburg (Center for Economic Research, 2 times), Utrecht University (Economics), Wageningen University (Agric Econ & Policy, 3 times; Business Economics, 2 times); **Portugal:** University of Porto (Economics, 3 times); **Slovak Republic:** University of Agriculture-Nitra (Mathematical Methods and Statistics); **Spain:** University Polytechnic of Catalonia (Center for Agro-food Economy & Development), University of Oviedo (Economics & Permanent Seminar in Efficiency Analysis); **Taiwan:** Academia Sinica (Institute of Economics, 2 times), National Ping Tung University of Science and Technology (Agribusiness), National Taiwan University (Agricultural Economics, Economics), National Tsing-Hua University (Economics); **Turkey:** Bilkent University (Economics), TOBB Economics and Technical University (Economics); **North America:** Bucknell University (Engineering), Cornell University (Applied Economics & Management), Economic Research Service, USDA (3 times), Michigan State University (Agric Economics), Ohio State University (Agric, Environmental & Development Economics), Rensselaer Polytechnic Institute (Economics), University of Guelph (Economics), University of Florida (Food and Resource Economics), University of California, Berkeley (Agric & Resource Economics), University of California, Davis (Agric & Resource Economics, 3 times), University of California, Santa Cruz (Environmental Studies), University of Delaware (Operations Research, 2 times), University of Georgia (Agric & Applied Economics), University of Minnesota (Agric & Applied Economics), University of Missouri (Agric Economics), University of Nebraska (Agric Economics)

### PROFESSIONAL ASSOCIATIONS

Agricultural and Applied Economics Association



American Economic Association  
 European Association of Agricultural Economists  
 Northeastern Association of Agricultural and Resource Economics  
 Productivity Analysis Research Network

### SERVICE TO PROFESSIONAL SOCIETIES

#### *Agricultural and Applied Economics Association (formerly American Agricultural Economics Association)*

Fellows Selection Committee, 2011-2015  
 AAEA Trust Committee, 2010-2011  
 Communications/Publication Committee, 2009-2011, (Chair)  
 Director, 2006-09  
     Board Ad Hoc Committee on Publications Negotiations, 2008  
     Board Task Force on Selected Papers, Poster and Symposia, 2006  
     Board Task Force on Annual Meetings Structure, 2006  
 Awards Committee, Publication of Enduring Quality Award, 2003-2005  
 Communications/Publication Committee, 2001-2003  
 Editor & *Ex Officio* Board Member, *American J of Agricultural Economics*, 1997-2002  
 Associate Editor, *American J of Agricultural Economics*, 1991-1996  
 Awards Committee, 1991- 1996  
 Symposium Organizer, 1992  
 Professional Relations with Economies in Transition Committee, 1992-1996  
 Selected Papers Review Committee, 1988-1990,  
 Topic Leader, Production Economics and Technical Change, 1988  
 Committee on Economic Education, 1987-1988

#### *European Association of Agricultural Economists*

ERAE Awards Committee, 2011  
 Plenary Speaker, EAAE PhD Workshop, 2005  
 Associate Editor, *European Review of Agricultural Economics*, 2001-present

#### *Northeastern Association of Agricultural and Resource Economics*

Distinguished Member Review Committee, 1993-1995  
 Master Thesis Award Review Committee, 1988-1990  
 Selected Papers Review Committee, 1984-1986

### RECENT MAJOR GRANTS

European Union Seventh Framework Research Program, Food, Agriculture and Fisheries, and Biotechnologies, 2011-2013 (WP5 budget \$475,000; Total: \$4.6 mil)

“Working Package: Model Simulation and Policy Analysis” in *Integrating Econometric and Mathematical Programming Models into an Amendable Policy and Market Analysis Tool using FADN Database. (FADNTOOL)*

USDA/ERS, Markets & Trade Economics & Food Economics Division, 2007-2010 (\$150,000)

“Farm-to-Retail Food Conversion Rates”

European Union Seventh Framework Research Program, Socio-economic Research and Support to Policies, 2008-11 (WP5 budget \$501,500; Total: \$4.4 mil)	“Working Package: Economic Sustainability, Biodiversity Loss and Socially Optimal Pesticide Use” in <i>Theoretical Developments and Empirical Measurement of the External Costs of Pesticides</i> . (TEAMPEST)
USDA/ERS, Markets & Trade Economics & Resources and Productivity Divisions, 2006-2010 (\$88,750)	“Firm-level Adjustment of US Food Firms to Globalization”
European Union Sixth Framework Research Program, Sustainable Management of Europe’s Natural Resources, 2007-10 (WP5 budget \$178,000; Total: \$1.4 mil)	“Working Package: Assessment of the Economic Performance of the Food Supply Chain” in <i>EU Food Industry Dynamics and Methodological Advances</i> (FOODIMA)
Greek Ministry of Economic Development and the European Union, 2006-08 (\$142,000 )	“Microeconomic Analysis of Agricultural Productivity and Worker Health”
Ben Franklin Partnership, Center of Excellence Program, 2004-07 (\$200,000)	“Center for Food Innovation”
Farm Foundation & USDA/ERS, Markets & Trade Economics Division, 2004-06 (\$55,000)	“Competitiveness of Global Food Markets”
NRI Grant, USDA, 2002-04 (\$122,000)	“Analyzing the Capital Adjustment Patterns and Productivity Behaviors of Plants and Firms in the U.S. Food and Kindred Products Industry”
Agricultural Telecommunications Program, USDA, 1999-00 (\$30,000)	“Empowering Food Industry Professionals with Web-based Product Development Cases”
Higher Education Challenge Grant, USDA, 2000-2002 (\$100,000)	“Transferring Experts’ Reasoning to Novice Learners in Food Product Development”
Higher Education Challenge Grant, USDA, 1998-2000 (\$71,741)	“Mechanisms of Disease: A Freshman Seminar”
Higher Education Challenge Grant, USDA, 1997-1999 (\$79,820)	“Critical Thinking and Problem Solving: A Food Product Development Case Approach”
NRI Grant, USDA, 1997-1998, 1998-2000 (\$20,000 & \$70,000)	“Role of Uncertainty in Agricultural Commodity Prices”

## ADMINISTRATIVE SERVICE

### UNIVERSITY SERVICE

Faculty Senator, 2012-2013  
 Judge, Eighth Annual Undergraduate Research Fair, Schreyer Honors College, 1999  
 Associate Director, Schreyer Institute for Innovations in Learning and Teaching, 1997-1998  
 Faculty Senate Committee on International and Intercultural Course Review, 1996-1999

Steering Committee, Schreyer Institute for Innovations in Learning, 1996-1998  
Undergraduate Academic Program Assessment Committee, 1994-96

#### COLLEGE SERVICE

Advanced Agricultural and Food Systems Planning Group, 2014  
E-Learning Organizational Advisory Committee, 2014  
Distinguished Professor Review Panel, 2000-2004, 2008-2013  
College's Graduate Student Competitive Grants Program evaluator, 2011  
Food Sciences Study Group, 2004  
Promotion and Tenure Committee, 2001-2004  
Strategic Planning Committee on Resident Education, 2001  
Information Science and Technology Minor Steering Committee, Chair, 2000  
Instructional and Curricular Affairs Committee, 1999-2001.  
Co-Organizer, Undergraduate Academic Program Assessment Seminar Series, 1995-1996  
Chair, Academic Program Assessment Committee, 1993 -1996.  
United Way Leadership Team, 1993-94.  
College of Agricultural Sciences Representative to the College of Liberal Arts, 1993-96.  
College of Agricultural Sciences Student Council, Senior Advisor, 1992-94.

#### DEPARTMENTAL COMMITTEE CHAIR AND ADVISORY POSITIONS

Program Coordinator, Agribusiness Management Undergraduate Program, 2013-  
Lead Faculty Coordinator, Agribusiness Management World Campus B.S. program, 2013-  
Chair, AEREC Qualifying Examination Committee, 1991-1992, 2009-2010, 2012-2013  
Faculty Advisory Committee, 2007-2009, 2013-present  
Chair, Graduate Committee, 2003-2005  
Chair, Faculty Recruitment Committees, 1996, 1997, 2007.  
Chair, Seminar Committee, 1986-88, 2000-01, 2007-08.  
Chair, Graduate Admissions and Assistantship in Agricultural Economics, 2000-01  
Co-Chair, Task Force to Revise Undergraduate Major in Agricultural Business Management, 2000-  
2001  
Professor-in-Charge of Undergraduate Programs, 1995 -1997.  
Chair, Departmental Undergraduate Committee, 1992 - 1995.  
Graduate Officer and Chair, Graduate Admissions and Assistantship Committee in Agricultural  
Economics, 1987-1990.

#### DEPARTMENTAL COMMITTEE MEMBER

Honors and Awards Committee, 2005-2009  
Information Technology Committee, 2002-04  
Graduate Committee, 2000-01, 2008-09, 2011-present.  
Warehouse Professor Review Committee. 2000-01  
Agricultural Economics Examination Committee, 1984-86; 1995-97; 2008-10, 2012-2013  
Undergraduate Committee, 1992- 97, 2006-present  
Promotion and Tenure Committee, 1992-94.  
Ad Hoc Committee on Strategic Planning, 1992.  
Seminar Committee, various years.  
Faculty Recruitment Committees, various years

## COMMUNITY SERVICE

Presenter, “Feeding the World, Global Connections World Forum, State College, 2013  
 New Product Development Workshop, Centre Learning Community Charter School, State College,  
 PA. (This was a 6-week activity for two sets of 7/8<sup>th</sup> grade students) 2000, 2001, 2002  
 Co-Chair, America’s Walk for Diabetes, 1997-2003  
 Board Member, Mt. Nittany Chapter of the American Diabetes Association, 1996-98

## PUBLICATIONS AND PAPERS

## JOURNAL ARTICLES, BOOK, BOOK CHAPTERS

Analyzing the impact of investment spikes on dynamic productivity growth, with Magda Kapelko and Alfons Oude Lansink, revise and resubmit, *OMEGA: International Journal of Management Science*.

The impact of inefficiency on diversification, with Alfons Oude Lansink, revise and resubmit, *Journal of Productivity Analysis*.

Investment decisions and dynamic efficiency measurement under uncertainty, with Grigorios Emvalomatis, revise and resubmit, *Econometric Reviews*.

The adjustment-cost model of the firm: duality and productive efficiency, with Elvira Silva and Alfons Oude Lansink, revise and resubmit, *International Journal of Production Economics*.

Endogeneity corrected stochastic frontier estimation, with Apurba Shee, revise and resubmit, *American Journal of Agricultural Economics*.

The analysis of irreversibility, uncertainty and dynamic technical inefficiency on the investment decision in Spanish olive sector, with Fatima Lambarraa, revise and resubmit in *European Review of Agricultural Economics*.

Pesticide use, environmental spillovers and efficiency: A nonparametric risk-adjusted efficiency approach applied to Dutch arable farming, with Theo Skevas and Alfons Oude Lansink, *European Journal of Operational Research*, <http://dx.doi.org/10.1016/j.ejor.2014.01.046>.

Assessing dynamic efficiency of the Spanish construction sector pre- and post-financial crisis, with Magda Kapelko and Alfons Oude Lansink, *European Journal of Operational Research*. <http://dx.doi.org/10.1016/j.ejor.2014.01.047>.

Using ex ante output elicitation to model state-contingent technologies, with Robert G. Chambers and Teresa Serra, *Journal of Productivity Analysis*, DOI 10.1007/s11123-014-0385-z.

Review of *Promoting Growth in All Regions*, by OECD, *European Review of Agricultural Economics*, 2014, 41 (1), 173-175.

Do farms internalize external impacts of pesticides in production?, with Theo Skevas and Alfons Oude Lansink, *Journal of Agricultural Economics*, 2013, 64, 624-640.

Designing the emerging EU pesticide policy: lessons learned, with Theo Skevas and Alfons Oude Lansink, *NJAS-Wageningen Journal of Life Sciences*, 2013, 64-65, 95-103.

Linking investment bursts to total factor productivity growth: evidence from the U.S. food manufacturing sector, with Pinar Celikkol Geylani, *Empirical Economics*, 2013, 45, 157-178.

Measuring technical efficiency in the presence of pesticide spillovers and production uncertainty: the case of Dutch arable farms, with Theo Skevas and Alfons Oude Lansink, *European Journal of Operational Research* 223, 2012, 550-559.

Can economic incentives encourage actual reductions in pesticide use and externalities? with Theo Skevas and Alfons Oude Lansink, *Agricultural Economics*, 43 (2012), 267–276.

An entropy approach to size and variance heterogeneity in U.S. commercial banks, with Lakshmi Balasubramanyan and Jeffrey Stokes, *Journal of Economics and Finance* 36, 2012, 728-749.

Analysis of static and dynamic productivity growth in the Spanish meat processing industry, *The Scientific Journal of Warsaw University of Life Sciences, series Problems of World Agriculture*, 2012, 12(3), 24-36.

Estimation of stochastic frontier models with fixed-effects through Monte Carlo Maximum Likelihood, with Grigorios Emvalomatis and Alfons Oude Lansink, *Journal of Probability and Statistics* vol. 2011, Article ID 568457, 13 pages, 2011. doi:10.1155/2011/568457.

Measurement of dynamic efficiency, a directional distance function parametric approach, with Teresa Serra and Alfons Oude Lansink, *American J of Agricultural Economics* 93 (April 2011), 756-67.

A reduced-form model for dynamic efficiency measurement: Application to Dairy Farms from Germany and the Netherlands, with Grigorios Emvalomatis and Alfons Oude Lansink, *American J of Agricultural Economics* 93 (January 2011), 161-174.

Productivity growth patterns in U.S. dairy products manufacturing, with Pinar Celikkol Geylani, *Applied Economics* 43, 24, (September 2011), 3415-3432.

Dynamic state contingent production and capital accumulation in US agriculture, with Teresa Serra and Alfons Oude Lansink, *European Review of Agricultural Economics* 37 (3) (2010), 293–312.

Declining cost efficiency as a signal of increasing bank vulnerability: an information theoretic approach, with Lakshmi Balasubramanyan and Jeffrey Stokes, *Applied Economics Letters* 17 (18) (2010), 1769 – 1781.

An application of neural networks in microeconomics: input-output mapping in a power generation subsector of the US electricity industry, with Bahar Celikkol Erbas, *Expert Systems with Applications*, 36 (2009), 2317–2326.

Brand leadership and product innovation as firm strategies in global food markets, with Mark Gehlhar, Anita Regmi and Barry Zoumas, *J of Product and Brand Management*, 18 (2009), 115-126. [A featured review appears in *Strategic Direction*, 26(1), forthcoming.]

Knowledge at work: learning and transferring expert reasoning through storytelling, with Julian Hernandez-Serrano, *Education, Knowledge and Economy*, 3(2009), 55-80.

Dynamic characterizations of efficiency, *Agricultural Economics Review*, 10(2009), 18-33.

Investment rigidity and policy measures, with Teresa Serra, José M. Gil, and Allen Featherstone, *European Review of Agricultural Economics*, 36 (2009), 103-120.

The impact of the CAP reforms on the efficiency of the COP sector in Spain, with Fatima Lambarraa, Teresa Serra and José M. Gil, *Agricultural Economics*, 40 (2009): 355-364.

Managing competitiveness and agri-food policy, Agriculture, Competition and EU Policy, edited by Giannis Karagiannis and Kostas Galanopoulos, University of Macedonia Press, Thessalonki, Greece, 2009.

Discussion of “Producer dynamics in agriculture: empirical evidence, by Mary Clare Ahern, Penni Korb and Jet Yee”, in *Producer Dynamics: New Evidence from Micro Data*, edited by Timothy Dunne, J. Bradford Jensen and Mark J. Roberts, Conference on Research in Income and Wealth, National Bureau of Economic Research, University of Chicago Press, 2009, pp. 391-394.

Investment in a methane digester: an application of capital budgeting and real options, with Jeffery R. Stokes and Rehka Rajagopalan, *Review of Agricultural Economics*, 30 (2008), 664-676.

Decomposition of total factor productivity growth in the U.S. electricity industry under dynamic adjustment, with S. Rungsuriyawiboon, *J of Productivity Analysis* 30 (2008), 177-190.

Applied production analysis unveiled in open peer review: introductory remarks, with Kris Kerstens, *J of Productivity Analysis Special Issue on Modeling Issues in Production Analysis* 30 (August 2008), 1-6.

Linking investment spikes and productivity growth: U.S. food manufacturing industry, with Pinar Celikkol Geylani, Center of Economic Studies, Bureau of Census Working Paper CES-WP-08-36 (October 2008), pp.52.

Managing firm competitiveness in global markets, with Mark Gehlhar, Anita Regmi and Barry Zoumas, in *Competitiveness in Agriculture and the Food Industry: US and EU Perspectives*, edited by Fanfani R., Ball E., Gutierrez L., Ricci Maccarini E. Bologna, Italy: Bononia University Press, 2008, pp. 289-304.

Productivity and innovation in the U.S. food processing sector, with Pinar Geylani and Gregory K. Pompelli, *Handbook of Innovation in the Food and Drink Industry*, Ruth Rama (Editor), Haworth Press Inc. , N.Y.-London, 2008, 81-106.

Social learning and production heterogeneity, with Fang-I Wen, *J of Developing Areas* 41, 1, (Fall 2007), 91-115.

Explaining efficiency differences: the case of U.S. agricultural banks, with Onelack Choi and Jeffrey R. Stokes, *Agricultural Finance Review* 67, 1 (Spring 2007), 55-73.

Nonparametric dynamic efficiency measurement: theory and application, with Elvira Silva, *American J of Agricultural Economics* 89 (May 2007), 398-419.

Dynamic efficiency estimation: an application to US electric utilities, with Supawat Rungsuriyawiboon, *J of Business and Economic Statistics* 25, (April 2007), 226-238.

Unifying theories of learning and economic decision making, with C.R. Stefanou and F.-I. Wen, *Education, Knowledge and Economy*, 1, (March 2007), 5-19.

Review of *Foundations of Dynamic Economic Analysis: Optimal Control Theory and Applications*, Michael R. Caputo. *American J of Agricultural Economics*, 89 (February 2007), 223-224.

The dynamics of efficiency improving input allocations and reorganization costs, with Onelack Choi and Jeffrey R. Stokes, *J of Productivity Analysis*, 25, (April 2006), 159-71.

Productivity growth patterns in U.S. food manufacturing: case of dairy products industry, with Pinar Celikkol, Center of Economic Studies, Bureau of Census Working Paper CES-WP-04-08 (May 2004), pp.74.

Productivity growth patterns in U.S. food manufacturing: case of meat products industry, with Pinar Celikkol, Center of Economic Studies, Bureau of Census Working Paper CES-WP-04-04 (March 2004), pp.78.

Nonparametric dynamic production analysis and the theory of cost, with Elvira Silva, *J of Productivity Analysis*, 19 (January 2003), 5-32.

Using experts' experiences through stories in teaching new product development, with Julian Hernandez-Serrano, Lamartine Hood, Barry Zoumas, *J of Product Innovation Management*, 19 (January 2002), 54-68.

A multi-institutional web-based undergraduate food product innovation and marketing course, with Lamartine F. Hood, John B. Lord, Barry L. Zoumas, and Julian Hernandez-Serrano, *J of Food Science Education*, 1 (January 2002), 10-17.

A case for adopting appellate review into AAEA editorial policy: Counterpoint, with Jon A. Brandt, *Review of Agricultural Economics*, 24 (Fall 2002), 551-54.

Scale, productivity growth and risk response under uncertainty, with Jana Hranaiova, *Economia Agraria y Recursos Naturales*, 2 (2002), 75-93.

Inter-firm and intra-firm efficiency measures, with Alfons Oude Lansink and Elvira Silva, *J of Productivity Analysis*, 15 (May 2001), 185-99.

Dynamic area allocation and economies of scale and scope, with Alfons Oude Lansink, *J of Agricultural Economics*, 52 (September 2001), 38-52.

Feedback and Change: Assessment of Individual Contribution in Collaborative Activities in the Higher Education, with Lamartine F. Hood and Candice R. Stefanou, *J of Excellence in College Teaching*, 12 (2001), 77-91.

Decomposing productivity growth allowing for efficiency gains and price-induced technical progress, with Alfons Oude Lansink and Elvira Silva, *European Review of Agricultural Economics*, 27 (December 2000), 497-518.

Measuring the impact of price-induced innovation on technological progress: application to the U.S. food processing and distribution sector, with Pinar Celikkol, *J of Productivity Analysis* 12 (September 1999), 135-52.

Asymmetric adjustment of dynamic factors at the firm level, with Alfons Oude Lansink, *American J of Agricultural Economics* 79(November 1997), 1340-51.

The Lions and Hawks: using videoconferencing and web technology to deliver a cross-campus New Product Development course, with John Lord, Al Labonis and Lamartine Hood, *Proceedings of the Annual Mid-South Instructional Technology Conference*, Murfreesboro, TN, (2001), [www.mtsu.edu/~itconf/proceed01/7.pdf](http://www.mtsu.edu/~itconf/proceed01/7.pdf)

The CAP and technological change, with Arie Oskam, in *The CAP and the World Economy*, edited by Christopher Ritson, CAB International Publishers (1997), pp. 191-224.

Estimating dynamic dual models under nonstatic price expectations, with Yir-Hueih Luh, *American J of Agricultural Economics* 78(November 1996), 991-1003.

Capacity utilization under dynamic profit maximization, with Panos Fousekis, *Empirical Economics* 21 (September 1996), 335-59.

Generalization of nonparametric tests for homothetic production, with Elvira Silva, *American J of Agricultural Economics* 78(August 1996), 542-46.

Review of *Induced Innovation Theory and International Agricultural Development: A Reassessment*, edited by Bruce M. Koppel. *European Review of Agricultural Economics* 23 (1996), 225-26.

Anticipating a production quota and investment behavior, *Rivista Internazionale Scienze Economiche e Commerciali* 42 (1995), 301-14.

Agricultural trade policy in Central and Eastern Europe, with Larry Karp in *Agricultural Trade Conflicts and GATT: New Horizons in North American-European Agricultural Trade*, edited by Giovanni Anania, Colin A. Carter and Alex McCalla, Westview Press (1994), pp. 365-85.

Discussion: The CAP in a growing EC, in *Agricultural Trade Conflicts and GATT: New Horizons in North American-European Agricultural Trade*, edited by Giovanni Anania, Colin A. Carter and Alex McCalla, Westview Press (1994), pp. 229-32.

Credit subsidies to support agriculture, with L. Karp, in *Privatization of Agriculture in New Market Economies: Lessons from Bulgaria*, edited by Andrew Schmitz, Kirby Moulton, Alan Buckwell and Sofia Davidova, Kluwer Academic Publishers (1994), pp. 403-18.

Domestic and trade policy in Central and Eastern European agriculture, with Larry Karp. *The Economics of Transition* 2 (1994), 345-71.

Learning-by-doing and the sources of productivity growth: a dynamic model with application to U.S. agriculture, with Yir-Hueih Luh. *J of Productivity Analysis* 4 (December 1993), 353-70.

*Economic growth and change in Bourbon Mexico*, in collaboration with Richard Garner, University Presses of Florida (1993), 356 pp.

Transforming Eastern European agriculture, with Larry Karp, in *Eastern European agriculture: problems, prospects and goals*, Proceedings of the 27th Seminar of the European Association of Agricultural Economics, University of Agriculture Nitra and the Ministry of Agriculture of the Slovak Republic (1993), pp. 17-21.

Economic adjustment in Polish agriculture: the case of dairy and swine production, with Larry Karp in *Agricultural Development and Transition*, Volume F, European Association of Agricultural Economics (1993), pp. 55-68.



Domestic and trade policy in Central and Eastern European agriculture, with Larry Karp. *Centre for Economic Policy Research* (London) Discussion Paper No. 814 (1993), 32 pp.

License values in restricted access fisheries, with James E. Wilen. *Bulletin of Mathematical Biology* 54 (March 1992), 209-18.

Dynamic measures of scope and scale economies: an application to German agriculture, with Jorge Fernandez-Cornejo, Conrado Gempesaw and Joachim Elterich. *American J of Agricultural Economics* 74 (May 1992), 283-99.

Dynamic structure of production under a quota: the case of dairy in the Federal Republic of Germany, with Conrado Gempesaw, Jorge Fernandez and Joachim Elterich. *European Review of Agricultural Economics* 74 (1992), 329-42.

Review of *Mathematical Bioeconomics*, 2nd edition, by Colin Clark. *Mathematical Biosciences* 110 (June 1992), 137-38.

Polish agriculture in transition: does it hurt to be slapped by an invisible hand, with Larry Karp, *Centre for Economic Policy Research* (London) Discussion Paper No. 662 (January 1992), 77 pp.

Productivity growth in U.S. agriculture under dynamic adjustment, with Yir-Hueih Luh. *American J of Agricultural Economics* 73 (November 1991), 1116-25.

Returns to scale in the long run: the dynamic theory of cost. *Southern Economic J* 55 (January 1989), 570-79.

Learning, experience and firm size. *J of Economics and Business* 41 (November 1989), 283-96.

Dairy supply and factor demand response to output price risk: an econometric assessment, with Yir-Hueih Luh. *Northeastern J of Agricultural and Resource Economics* 18 (October 1989), 103-08.

Economies of size revisited, with J. Patrick Madden. *J of Agricultural Economics* 39 (January 1989), 125-32.

Education, experience and allocative efficiency: a dual approach, with Swati Saxena. *American J of Agricultural Economics* 70 (May 1988), 338-45.

Temporal risk aversion in a phased deregulation game, with Shih-Hsun Hsu. *J of Economic Dynamics and Control* 12 (June 1988), 181-87.

Specification and estimation of asymmetric adjustment rates for quasi-fixed factors of production, with Ching-Cheng Chang. *J of Economic Dynamics and Control* 12 (June 1988), 145-51.

Stochastic learning by experience and returns to scale. *J of Economic Dynamics and Control* 12 (June 1988), 137-43.

Technical change, uncertainty and investment. *American J of Agricultural Economics* 69 (February 1987), 158-65.

Supply growth and dairy industry deregulation, with Ching-Cheng Chang. *Northeastern J of Agricultural and Resource Economics* 16 (April 1987), 1-9.

Information in agricultural pest control, with Marc Mangel and James E. Wilen. *J of Agricultural Economics* 37 (January 1986), 77-88.

Soil conservation under uncertain revenues and input supplies: comment, with James S. Shortle. *American J of Agricultural Economics* 68 (May 1986), 358-60.

Factors affecting the price of hay at a Pennsylvania auction, with William Grisley and Ted Dickerson. *Northeastern J of Agricultural and Resource Economics* 14 (April 1985), 48-56.

Modeling *lygus hesperus* injury to cotton yields, with Marc Mangel and James E. Wilen. *J of Economic Entomology* 78 (1985), 1009-14.

Review of *Federal Statistics and National Needs*. *Government Publications Review* 12 (1985), 64-67.

Towards a behavioral approach to modeling dynamic production choice structures, with Robert D. Weaver. *Northeastern J of Agricultural and Resource Economics* 13 (October 1984), 163-76.

#### FOOD INDUSTRY CASES STUDIES

Skills Analysis for Food Product Development, with Lamartine Hood, Julian Hernandez-Serrano, Daisy Hsieh and Barry Zoumas, (2001)  
[www.cas.psu.edu/docs/casover/CaseLibrary/SkillAnalysisWeb](http://www.cas.psu.edu/docs/casover/CaseLibrary/SkillAnalysisWeb)

Quest for a New Chocolate Bar: Hershey's Symphony Bar, with Lamartine Hood, Julian Hernandez-Serrano and Ellen Taricani, (1999)  
[www.cas.psu.edu/docs/casover/aeFs497/hershey/new-6/hersheyindex.html](http://www.cas.psu.edu/docs/casover/aeFs497/hershey/new-6/hersheyindex.html)

Mexican Enchilada Sauce, with Lamartine Hood, Julian Hernandez-Serrano and Ellen Taricani, (1998) [www.cas.psu.edu/docs/casover/aeFs497/sauce.html](http://www.cas.psu.edu/docs/casover/aeFs497/sauce.html), 1998

Fresh Cut Fruit, with Lamartine Hood, Julian Hernandez-Serrano and Ellen Taricani, (1998)  
[www.cas.psu.edu/docs/casover/aeFs497/cp.html](http://www.cas.psu.edu/docs/casover/aeFs497/cp.html), 1998

Nutraceutical Drinks, with Lamartine Hood, Julian Hernandez-Serrano and Ellen Taricani, (1998)  
[www.cas.psu.edu/docs/casover/aeFs497/cp.html](http://www.cas.psu.edu/docs/casover/aeFs497/cp.html), 1998

Peeled Potato, with Lamartine Hood, Julian Hernandez-Serrano and Ellen Taricani, (1998)  
[www.cas.psu.edu/docs/casover/aeFs497/cp.html](http://www.cas.psu.edu/docs/casover/aeFs497/cp.html)), 1998

#### OTHER PUBLICATIONS

An Empirical Assessment of Convergence in TFP Growth and Farm Income at the Sectoral, Regional and National level, with Grigorios Emvalomatis and Alfons Oude Lansink, *European Union Framework 7 Project: Integrating Econometric and Mathematical Programming Models into an Amendable Policy and Market Analysis Tool using FADN Database*, Deliverable 7.1., 21 pp., 2013

Dynamic model of economic growth on socially optimal pesticide use, with Theodoros Skevas and Alfons Oude Lansink, *European Union Framework 7 Project: Theoretical Developments and Empirical*

*Measurement of the External Costs of Pesticide, Seventh Framework Program Theme 2 on Food, Agriculture and Fisheries and Biotechnology*, 2010.

Dynamic characterization of the effects of agricultural supports, regulation, and taxations on the socially optimal pesticide use, with Theodoros Skevas and Alfons Oude Lansink, *European Union Framework 7 Project: Theoretical Developments and Empirical Measurement of the External Costs of Pesticide, Seventh Framework Program Theme 2 on Food, Agriculture and Fisheries and Biotechnology*, 2010.

Literature review on economic sustainability, biodiversity loss and socially optimal pesticide use, with Theodoros Skevas and Alfons Oude Lansink, *European Union Framework 7 Project: Theoretical Developments and Empirical Measurement of the External Costs of Pesticide, Seventh Framework Program Theme 2 on Food, Agriculture and Fisheries and Biotechnology*, 2009, 69 pp.

Development of Food Industry Models for Dynamic Productivity Measurement for the EU Food Supply Chain, with Alfons Oude Lansink and Grigorios Emvalomatis, *European Union Framework 6 Project: Food Industry Dynamics and Methodological Advances, Sixth Framework Program Theme on Sustainable Management of Europe's Natural Resources*, 15 pp.

Generate Measures of the Decomposition of the Contributions to Productivity Growth in Selective Sectors of the Food Supply Chain, with Alfons Oude Lansink, Grigorios Emvalomatis, Teresa Serra, *European Union Framework 6 Project: Food Industry Dynamics and Methodological Advances, Sixth Framework Program Theme on Sustainable Management of Europe's Natural Resources*, 36 pp.

Analysis of the Relative Contributions of how the Food Industry is Extracting its Potential from Existing Technologies (accompanied with a report of the case studies), with Alfons Oude Lansink and Grigorios Emvalomatis, *European Union Framework 6 Project: Food Industry Dynamics and Methodological Advances, Sixth Framework Program Theme on Sustainable Management of Europe's Natural Resources*, 22 pp.

Economic impact of the mushroom industry on Chester County, PA, final report to the Community Awareness Committee, American Mushroom Institute, (2007), 10 pp.

Economics of adjustment in Central and Eastern European Agriculture, final report to the Europe Branch, Economic Research Service, U.S. Department of Agriculture, (1993), 45 pp.

Policies and prospects in Central and Eastern European agriculture, with Larry Karp, final report submitted to the European Bank for Reconstruction and Development, (1993), 170 pp.

Red meat consumption among U.S. adults, with Helen Wright, final report to National Live Stock and Meat Board, (1991) 130 pp.