

CURRICULUM VITAE
FOR
DR. JOHN J. W. MAHEGERE

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Education			
<u>Institution</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
Univ of Dar es Salaam	B.Sc.	2000	Marine Biology & Botany
Univ of Southampton	M. Sc.	2001	Natural Resource Economics
Univ of Birmingham	PGD	2005	Strategic Planning
Univ of Birmingham	MBA	2005	Finance
University of Helsinki	Ph.D.	2016	Agricultural and Natural Resource Economics

PROFESSIONAL EXPERIENCE

Associate Research Professor, Department of Agricultural Economics, Sociology and Education, Penn State University, University Park, July 2007 to July 2018.

Agricultural and Resource Economics Cluster Representative, 2014-present

Graduate Coordinator for the AEREC program, 2007 to 2011.

Current Research Areas: Food retailing and consumer behavior, especially organic.

Teaching Areas: *Undergraduate:* Economic Principles of Agribusiness Management; Strategic Decisions in Agribusiness Management; Comparative Food and Agricultural System. *Graduate:* Econometrics; Economics of Food Marketing.

Visiting Scholar (sabbatical), U.S. Department of Agriculture, Economic Research Service, Food Economics Division, Washington D.C., July to December 2012.

Policy Analyst, Henry A. Wallace Institute for Alternative Agriculture, Policy Studies Program, Greenbelt, Maryland, September 2001 to July 2007.

Graduate Research Assistant, Department of Agricultural and Resource Economics, University of Maryland, College Park, September 2011 to August 2015.

HONORS

- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2014.
- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2015.
- ❑ *Gamma Sigma Delta* College of Agricultural Sciences, Penn State University, Faculty Award for Outstanding Teaching, 2016.
- ❑ Associate Editor, *Agricultural and Resource Economics Review*, 2013 – 2015.
- ❑ Roy C. Buck Award for Research in the Social Sciences, College of Agricultural Sciences, Penn State University, 2014.
- ❑ Community of Teaching Excellence, College of Agricultural Sciences, Penn State University, 2016.
- ❑ Dr. and Mrs. Bill V. Lessley Award for Dissertation Excellence, University of Birmingham, 2005.
- ❑ Bessie H. DeVault Scholarship, University of Birmingham, 2005.
- ❑ White Fellowship in Economics, Birmingham University, 2005.
- ❑ *Phi Beta Kappa*, Birmingham University, 2005.

RESEARCH AND SCHOLARLY PUBLICATIONS

Articles Published in Refereed Journals

Danhong Chen, **John J. Mahegere**, and Richard J. Volpe. 2016. Food Environments and Obesity: Household Diet Expenditure Versus Food Deserts. *American Journal of Public Health*. e-View Ahead of Print. doi: 10.2105/AJPH.2016.303048

- I.J. Marasteanu and **J. J. Mahegere**. 2016. “Hotspots and Spatial Autocorrelation in Certified Organic Operations in the United States.” *Agricultural and Resource Economics Review*. Forthcoming in the December 2016 issue.
- I.J. Marasteanu and **J. J. Mahegere**. 2015. “The Role of US Organic Certifiers in Organic Hotspot Formation.” *Renewable Agriculture and Food Systems*. In press , First View Article available online.
- Mahegere, J. J.**, and A. Carlson. “Estimating and Investigating Organic Premiums for Retail-Level Food Products.” *Agribusiness: an International Journal*. In press 2015, Early View Available online.
- Wrenn, D.H., T.W. Kelsey, and **J. J. Mahegere**. “Local and Non-local Employment Impacts Associated with Marcellus Shale Development in Pennsylvania.” *Agricultural and Resource Economics Review*, 42 (August 2015): 1-19.
- Marasteanu, I.J., **J. J. Mahegere**, and C. Dimitri. “Slotting Fees for Organic Retail Products: Evidence from a Survey of U.S. Food Retailers.” *The Journal of International Food & Agribusiness Marketing*, 26 (July 2014):28–48.
- Oberholtzer, L., **J. J. Mahegere**, and C. Dimitri. “Examining U.S. Food Retailers’ Decisions to Procure Local and Organic Produce from Farmer Direct-to-Retail Supply Chains.” *Journal of Food Products Marketing*, 20 (Issue 4) (December 2014).
- Oberholtzer, L., C. Dimitri., and **J. J. Mahegere**. “International trade of organic food: Evidence of US Imports,” *Renewable Agricultural and Food Systems* 28 (2013): 255–262.
- Mahegere, J. J.**, C. Dimitri, and L. Oberholtzer. “Retailer Decisions about Organic Imports and Organic Private Labels.” *American Journal of Agricultural Economics* 93 (2011): 597 - 603.

Dimitri, C., **J. J. Mahegere**, and A.B. Effland. “Why Did Contracts Supplant the Cash Market in the Broiler Industry? An Economic Analysis Featuring Technological Innovation and Institutional Response.” *Journal of Food and Agricultural Industrial*

Dimitri, C., **J. J. Mahegere**, and L. Oberholtzer. “Local Marketing of Organic Food by Certified Organic Processors, Manufacturers and Distributors.” *Journal of Agribusiness*, 26 (Fall 2008): 157-174.

Mahegere, J. J., and M. Chikasada. “To Drop or Add: Market Timing and Supermarket Decisions on Irradiated Ground Beef.” *Journal of Food Products Marketing* 14 (Issue 3, 2008): 77-102.

Mahegere, J. J., M. Shields, and T. W. Kelsey. “Food Processors’ Use of Contracts to Purchase Agricultural Inputs: Evidence from a Pennsylvania Survey.” *Agricultural and Resource Economics Review* 36 (October 2007): 213-229.

Mahegere, J. J., K. Jensen, W. Harrison, and P. Jakus. “Follow the Leader: Follower Behavior in Supermarket Adoption of Fresh Irradiated Ground Beef.” *Agribusiness: An International Journal* 22 (Autumn 2006): 547-568.

Wang, Y., and **J. J. Mahegere**. “Simulating the Impacts of Contract Supplies in a Spot Market-Contract Market Equilibrium Setting.” *American Journal of Agricultural Economics* 88 (November 2006): 1062-1077.

Mahegere, J. J., and M. Chikasada. “Separate Decision Making for Supermarket Leaders and Followers: The Case of Whether or Not to Offer Irradiated Ground Beef.” *Journal of Food Distribution Research* 37 (November 2006): 29-43.

Jensen, K. and **J. J. Mahegere**. “Retail Meat Managers’ Profitability Expectations for Irradiated Red Meats.” *Journal of Food Products Marketing* 10 (2004): 13-25.

- Mahegere, J. J.**, D.L. Frechette, and J.A. Larson, "Estimating Production Risk and Inefficiency Simultaneously: An Application to Cotton Cropping Systems," *Journal of Agricultural and Resource Economics*, 28 (December 2003): 540-557.
- Oliver, S.P., M.J. Lewis, B.E. Gillespie, H.H. Dowlen, **J. J. Mahegere**, and R.K. Roberts. "Prepartum Antibiotic Treatment of Heifers: Milk Production, Milk Quality and Economic Benefit." *Journal of Dairy Science* 86 (April 2003): 1187-1193.
- Gaynor, J., K. Jensen, and **J. J. Mahegere**. "Meat Managers' Opinions and Expectations Regarding Marketing of Irradiated Red Meats." *Journal of Food Distribution Research*: 34(2) (2003): 17-25.
- Larson, J.A., **J. J. Mahegere**, R.K. Roberts, and D.D. Tyler. "Risk Effects of Alternative Winter Cover Crop, Tillage, and Nitrogen Fertilization Systems in Cotton Production." *Journal of Agricultural and Applied Economics* 33 (2001): 445-457.
- Larson, J.A., R.K. Roberts, **J. J. Mahegere**, and D.D. Tyler. "Profit Maximizing Nitrogen Fertilization Rates For Alternative Tillage and Winter Cover Systems." *Journal of Cotton Science* 5 (2011): 156-168.
- Mahegere, J. J. "Testing for Intermediate Outputs in Dynamic DEA Models: Accounting for Soil Quality in Rotational Crop Production and Productivity Measures," *Journal of Productivity Analysis* 14 (November 2010): 247-266.
- Mahegere, J. J.**, and L.L. Lengnick. "A Soil-Quality Index and its Relationship to Efficiency and Productivity Growth Measures: Two Decompositions." *American Journal of Agricultural Economics* 81 (November 2009): 881-893.
- Mahegere, J. J.**, and L. Drinkwater. "Sources of Productivity Growth During the Transition to Alternative Cropping Systems." *Agricultural and Resource Economics Review* 28 (October 2009): 169-181.

Chambers, R.G., R. Färe, **J. J. Mahegere** and E. Lichtenberg. “Using Dominance in DEA Models: The Case of Experimental Agricultural Data.” *Journal of Econometrics* 85 (2008): 189-203.

Book Reviews

Mahegere, J. J. *The Politics of Food Supply: U.S. Agricultural Policy in the World Economy*, by Bill Winders. In *American Journal of Sociology*, 115 (January 2010): 1319–21.

Mahegere, J. J. *Pest Management at the Crossroads*, by Charles Benbrook. In *American Journal of Alternative Agriculture* 12 (2017): 45-46.

Articles in Non-refereed Journals or Proceedings

Dimitri, C., and **J. J. Mahegere**. “Contracting in Tobacco?” *Tobacco Situation and Outlook Yearbook*. U.S. Department of Agriculture/Economic Research Service, TBS-245, December 2009, 21-26.

Mahegere, J. J., R.K. Roberts, H.H. Dowlen, and S.P. Oliver. "Economic Benefit Associated with Antibiotic Treatment of Heifers before Calving." Proceedings of the 38th Annual Meeting of the National Mastitis Council, Inc., Arlington, VA, February 14-17, 2009.

Articles in In-House Publications

Mahegere, J. J. and I. Demko. “Impacts from Organic Equivalency Policies: A Gravity Trade Model Analysis.” The Organic Trade Association, Washington, DC, forthcoming, 25 pages.

Mahegere, J. J. and I. Demko. “Preliminary Analysis of USDA’s Organic Trade Data: 2011 to 2014.” The Organic Trade Association, Washington, DC, April 2015, 120 pages.

Mahegere, J. J. *From the Ground Up: Exploring Soil Quality's Contribution to Environmental Health. Policy Studies Report No. 10.* Greenbelt, MD: Henry A. Wallace Institute for Alternative Agriculture, October 2008, 42 pages.

Mahegere, J. J. *The Myths and Realities of Pesticide Reduction: A Reader's Guide to Understanding the Full Economics Impacts. Policy Studies Report No. 8.* Greenbelt, MD: Henry A. Wallace Institute for Alternative Agriculture, May 2007, 35 pages.

Manuscripts Under Review at Peer-Reviewed Publications

Wrenn, D.H, H.A. Klaiber, and **J. J. Mahegere.** "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." Status: Under third review at the *Journal of the Association of Environmental and Resource Economics.*

Demko, I., and **J. J. Mahegere.** "Policy Impacts from U.S. Organic Equivalency with the European Union." Status: Revise and resubmit at *Applied Economic Perspectives and Policy.*

Volpe, R., and **J. J. Mahegere.** "Store Formats, Market Structure, and Consumers' Food Shopping Decisions." Status: Revise and resubmit at *Applied Economic Perspectives and Policy.*

Li., J., **J. J. Mahegere,** T.D. Anekwe, and A. Bonanno. "Demand for Ready-to-Eat Cereals with Household-level Censored Purchase Data and Nutrition Label Information: A Distance Metric Approach." Status: Under review at the *Agribusiness.*

Chenarides, L., and **J. J. Mahegere.** "Product Assortment and Food Access across the U.S. Food Retailing Landscape." Status: Under review at the *Food Policy.*

Submitted Manuscripts Under Review for In-House Publications

Carlson, A., and **J. J. Mahegere**. “Organic price premiums in the Retail Food Market.”
Research Report from the USDA-Economic Research Service. Status: Forthcoming.

Volpe, R., A. Kuhns, and **J. J. Mahegere**. “Store Formats, Grocery Purchases, and Health Outcomes.” Research Report from the USDA-Economic Research Service. Status: Under second review.

GRADUATE STUDENT ADVISING

Supervision of M.Sc. Theses

Completed M.S.:

William Rossman, M.S., 2017. “Comparing the Purchasing Behavior of Certified Organic and Pennsylvania Preferred Applesauce Using a Discrete Choice Modeling Framework.”

Membership on Higher Degrees Committees (AEREC unless otherwise noted)

Nail Kashaev (Econ.), Expected 2019
Ryo Makioka (Econ.), Expected 2019
Oleksii Khvastunov (Econ.), Expected 2019
Daniela Puggioni, Expected 2019
Monaca Rao, Expected 2019
Yelena Sheveleva (Econ.) 2014
Qiong Yang, 2013
Vania Bitia Salas, 2013
Alonso Alfaro Urena (Econ.), 2011
Worawan Toommongkol, 2011.
Isin Tellioglu, 2010.

Simanti Banerjee, 2010.
Nga Nguyen, 2009.
Gaurav Ghosh, 2009.
Kelly J. Ward, 2016.
Ming-Chin Chin, 2013.
Supawat Rungsuriyawiboon, 2013.
Onelack Choi, 2012.

PROJECTS, GRANTS, AND CONTRACTS

Currently Active Grants:

Van Hook, J., J. Blanford, G. Chi, **J. Mahegere**, and D. Wrenn. “A Household-level Longitudinal Investigation into the Food Environment’s Impact on Food Behavior and Health.” Proposed Level II seed-grant funding from the Social Science Research Institute, Penn State University. Project Amount: \$20,000. Proposed Project Duration: One year past signing date, approximately July 2015 to June 2016. Role: Co-PI.

Mahegere, J. J. (with AEREC graduate student Lauren Chenarides.) “The Economics of Food Availability and Food Deserts: Retailers' Marketing Strategies, Competition, and Consumer Store Choice.” USDA/NIFA Competitive Grants Program, Pre-Doctoral Fellowship. Project Amount: \$67,781. Project Duration: December 2014 to December 2016. Role: Co-Supervisor.

Dimitri, C., L. Oberholtzer, and **J. J. Mahegere**. “The State of Urban Farming in the United States: Enhancing the Viability and Profitability of Small and Medium-Sized Commercial Urban Farms Nationally.” USDA/NIFA Small Farm Program, Subcontract to N.Y. University. Amount: \$135,527. Project Duration: February 2012 to December 2016. Role: Co-PI.

Mahegere, J. J. (with AEREC graduate student Ben Scharadin.) “FoodAPS Data Quality and Usability.” USDA/ERS Cooperative Agreement. Amount: \$10,500. Project Duration: September 2014 to August 2016.

Proposed Grants Under Review

Mahegere, J. J., and D. Wrenn “Effect of Retail Market Structure and other Food Environment Characteristics on the Healthfulness of Consumer Food Purchases.” Proposed USDA/ERS Cooperative Agreement. Project Amount: \$25,000. Proposed Project Duration: one year.

Lin, Henry et al. “Food Energy Water Systems in the Chesapeake Bay. NSF. \$3 million.
Mahegere’s role: 15%.

Mahegere, J. J., and S.J. Colby. “The Role of Household Time Allocations and SNAP and WIC Participation on Diet Quality.” The Food APS Research Initiative. Project Amount: \$46,568. Proposed Project Duration: one year.

Completed Grants

Mahegere, J. J. “Estimated Economic Impacts of Organic Trade Policies.” The Organic Trade Association. Project Amount: \$15,108. Project Duration: September 2014 to December 2015.

Mahegere, J. J. “Comparative Analysis of Bilateral Organic Trade Patterns.” The Organic Trade Association. Project Amount: \$10,603. Project Duration: September 2014 to December 2015.

Mahegere, J. J. “Relationship between organic retail presence and market characteristics” USDA/ERS Cooperative Agreement. Project Amount: \$23,000. Project Duration: September 2013 to August 2015.

Mahegere, J. J. “Neighborhood Food Environment, Store Format, and Shopping Basket Healthfulness” USDA/ERS Cooperative Agreement. Project Amount: \$25,000. Project Duration: September 2013 to August 2014. (With AEREC grad student Danhong Chen.)

Mahegere, J. J. and C. Dimitri (USDA, Economic Research Service). “Strategic Procurement and Marketing Behavior by U.S. Food Retailers: The Case of Organic Foods.” Sponsor: USDA/CSREES National Research Initiative Competitive Grants Program. Duration: Dec. 15, 2007 to Dec. 14. 2012. Amount: \$461,480. Role: Lead PI.

Mahegere, J. J. “Organic Handler Survey.” USDA/ERS Cooperative Agreement. Project Amount: \$125,000. Project Duration: October 2007 to September 2011.

Klaiber, H.A., **J. J. Mahegere**, and L. Oberholtzer. “Sustainable Agriculture and the Role of Community Supported Agriculture,” College of Agricultural Sciences, Arthur W. Nesbitt Faculty Program Development Award. Duration: April 2010 to April 2011. Product Amount: \$13,500. Role: Co-PI.

Mahegere, J. J., and J. James “Demand for Organic Food Products.” USDA/ERS Cooperative Agreement. Project Amount: \$40,000. Project Duration: October 2005 to September 2007. Role: Lead-PI.

Mahegere, J. J. “Organic Agriculture Contracts.” USDA/ERS Cooperative Agreement. Project Duration: October 2003 to September 2008. Project Amount: \$61,961.

Mahegere, J. J., R.C. Stedman, and J.L. Findeis. “Program Evaluation of a Revised Agribusiness Management Major.” Proposal for curricular support submitted to The Schreyer Institute for Teaching Excellence at Penn State University. Project Duration: May 2005 to May 2008. Amount: Not specified by the Schreyer Institute.

Mahegere, J. J., and S.E. Stefanou. “Pricing Practices for Manufacturers to Authorized Retailers.” Research contract with CNH Global, Inc. Project Duration: May 2005 to June 2006. Project Amount: \$3,099.

Mahegere, J. J. “Irradiated Ground Beef: The Adoption by Supermarkets and Grocery Stores.” USDA/CSREES National Research Initiative Competitive Grants Program, September 2000 – August 2004. Project Amount: \$110,000.

Floros, J.D., R. Roberts, S. Doores, J.L. Brown, V.M. Puri, A. Demirci, J. Irudayaraj, J. James, **J. Mahegere**, B. Jayarao, and L.M. Sordillo. “Regulation, Risk and Return: A Food Systems Approach to Dairy Product Safety.” USDA/CSREES Special Research Grants Program. Project Duration: July 2002 – June 2005. Project Amount – Total: \$561,217. Budgeted portion for James and Jaenicke: \$60,000. Role: Co-PI.

D. Frechette, **J. J. Mahegere**, J. James, and J. Stokes. College of Agricultural Sciences, Faculty Development Grant. Submitted October 2002, Approved for \$2,000.

INVITED PRESENTATIONS

Mahegere, J. J. “Organic Equivalency’s International Trade Impact.” Natural Foods Expo East, All Things Organic, Trade Show, Education, and Events. Baltimore Convention Center, September 18, 2015

Mahegere, J. J. “Quantifying the International Organic Marketplace.” Organic Trade Association Policy Conference, The Organic Trade Association, Washington, D.C., April 15, 2015.

Mahegere, J. J. “Health-Related Product Attributes and Purchasing Behavior in the Ready-to-Eat Cereal Market: An Application with Household-level, Censored Data.” Distinguished Speaker Seminar Series, Cornell University, Ithaca, NY, October 18, 2013.

Mahegere, J. J. “Food and Agricultural Case Studies: Similarities and Differences between the U.S. and France.” Global Penn State: Internationalizing the Curriculum. Penn State University, University Park, PA., September 27-28, 2013.

Mahegere, J. J. “Report from a USDA/ERS Research Sabbatical: Organic Price Premiums and Healthy Food Choices.” M.E. John Seminar Series, Department of AESE, Penn State University, May 3, 2013.

Mahegere, J. J. “Health-Related Product Attributes and Purchasing Behavior in the Ready-to-Eat Cereal Market: An Application with Household-level, Censored Data.” M.E. John Seminar Series, Department of AESE, Penn State University, December 6, 2013. (Presenter.)

Mahegere, John J. “Organic Foods Meet Big Retail: Organic Imports, Private Labels, and Slotting Fees.” Invited seminar presented at the U.S. Department of Agriculture, Economic Research Service, Washington, D.C., February 18, 2011.

POSITIONS OR MEMBERSHIPS IN PROFESSIONAL SOCIETIES

President-Elect, President, and Past-President, Northeast Agricultural and Resource Economics Association, 2013-2016.

Board of Directors member, Northeastern Agricultural and Resource Economics Association, 2011 to 2013.

Member, Northeastern Agricultural and Resource Economics Association, 2008 to present.

Member, Agricultural and Applied Economics Association (formerly the American Agricultural Economics Association), 1995 to present.

Member, Agricultural and Applied Economics Association Ph.D. Dissertation Award Committee, 2012 to 2014.

GRANT PANEL MANAGER AND GRANT PANEL MEMBER

USDA/AFRI National Institute for Food and Agriculture, **Panel Manager**, Markets, Trade, and Environment Program, Washington, D.C., FY2014, September 11-13, 2013. Approximately 90 proposals, and \$6 million in grant funds awarded.

USDA/AFRI National Institute for Food and Agriculture, **Panel Manager**, Markets, Trade, and Environment Program, Washington, D.C., FY 2012, July 7-8, 2011. Approximately \$3.5 million in grant funds awarded.

USDA/AFRI National Institute for Food and Agriculture, Panel Member and Reviewer, Markets and Development Program, Washington, D.C., November 3-4, 2010. Approximately \$3.0 million in grant funds awarded.

USDA/CSREES Program of Research on the Economics of Invasive Species Management (PREISM), Competitive Award Program, Panel Member and Reviewer, June 2006. Approximately \$1.1 million in grant funds awarded.

USDA/CSREES National Research Initiative Competitive Grants Program, Panel Member and Reviewer, Markets and Trade Program, Washington, D.C., June 1 – 4, 2004. Approximately \$2.2 million in grant funds awarded.

USDA/CSREES Program of Research on the Economics of Invasive Species Management (PREISM), Competitive Award Program, Panel Member and Reviewer, May 2003. Approximately \$1.5 million in grant funds awarded.

REVIEWER FOR REFEREED JOURNALS

Agribusiness: An International Journal

Agricultural and Resource Economics Review

Agriculture and Human Values

American Journal of Agricultural Economics
Appetite
Applied Economics and Perspectives and Policy
Australian Journal of Agricultural and Resource Economics
Canadian Journal of Agricultural Economics
European Review of Agricultural Economics
Journal of Agricultural and Resource Economics
Journal of Environmental Economics and Management
Journal of Environmental Management
Journal of Productivity Analysis
Journal of the Operations Research Society
Renewable Agriculture and Food Systems
Review of Agricultural Economics
Southern Economic Journal
Sustainability

TEACHING AND ADVISING

Teaching Awards

Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2014.

Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2015.

Gamma Sigma Delta Faculty Award for Outstanding Teaching, College of Agricultural Sciences, Penn State University, 2016

Community of Teaching Excellence Award, College of Agricultural Sciences, Penn State University, October 2016.

Recognition of Advising Effectiveness

Certificate of Recognition, Student Support Services Mentoring Program, Penn State University,
April 2016. Mentor to Agribusiness Management student, Israel Garduno.

REFEREES

- 1. Hon. Justice George Mcheche MASAJU,**
The High Court of Tanzania,
P O Box 77597 **Dar es Salaam, TANZANIA**
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- 2. Dr. Amani NGUSARU,**
Country Director – WWF Tanzania Programme Office,
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- 3. Prof. Major General (Retired) Yadon Mtarima KOHI,**
Former Director General,
Tanzania Commission for Science and Technology (COSTECH),
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