

## **LESLIE D. BOURQUIN**

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### **BRIEF BIOSKETCH**

Dr. Leslie D. Bourquin is a Professor of Food Science and Human Nutrition and Extension Food Safety Specialist at Michigan State University (MSU). Dr. Bourquin also holds appointments in MSU AgBioResearch, the MSU Asian Studies Center, the Center for Advanced Studies in International Development, and the Institute for Integrative Toxicology.

Dr. Bourquin's international work focuses on food safety education and market development for the global food industry. He provides consultation, education and outreach on food safety practices, good agricultural practices and food safety management systems for food producers and processors, foodservice workers, consumers, government agencies and the media. He collaborates extensively with the private sector, academia, governments and international organizations (e.g. WTO, APEC, World Bank) in implementing food safety capacity development projects globally, and particularly in emerging economies. He has conducted research, development projects and training programs in many countries including Rwanda, Malawi, Zambia, Vietnam, India, Thailand, China, France, Bulgaria, Romania and Belarus. He has authored more than 100 publications including peer-reviewed journal articles, development reports, research monographs and curricula. He has presented more than 300 talks in the US and internationally on a variety of food safety and nutrition topics.

Dr. Bourquin's research program focuses on the assessment and management of food safety hazards (e.g. microbial pathogens, mycotoxins, heavy metals) in agricultural commodities and processed food products. He also conducts research on the impact of improved standards compliance by the food industry on 1) indicators of improved safety of food products and 2) enhanced market access by food producers and processors. During his career, Dr. Bourquin has served as principal investigator on grants totaling in excess of \$15 million. In 2007–08, Dr. Bourquin was a Fulbright Research Scholar at Polytech'Lille (Ecole Polytechnique Universitaire de Lille), part of the University of Sciences and Technology of Lille in France.

## EDUCATION

1993-1996	Postdoctoral Training, Michigan State University, East Lansing
1989-1993	Ph.D., Nutritional Sciences, University of Illinois at Urbana-Champaign
1987-1989	M.S., Animal Sciences, University of Illinois at Urbana-Champaign
1983-1987	B.S., Agriculture (Animal Science), Oklahoma State University, Stillwater

## HONORS

### While at Michigan State University

2011	Sloan-C Effective Practice Award for the Food Safety Knowledge Network (with Karen Vignare, Gwyn Shelle, Sunnie Kim, Deepa Thiagarajan, Hamish Gow, and Christine Geith)
2007-2008	Fulbright Research Scholar – Nord Pas de Calais Scholar, France
2002	MSU College of Human Ecology Outreach Award
2001	International Life Sciences Institute, North America – Alex Malaspina Future Leader Award
1996	Sigma Xi (Honorary Research Society)

### While at the University of Illinois at Urbana-Champaign

1991-1992	Procter and Gamble Fellowship
1988-1991	National Science Foundation Graduate Fellowship
1988, 1991	Purina Research Fellowship (unable to accept because of other awards)
1987-1988	Hackett Fellowship
1987	National Feed Ingredients Association Scholarship

### While at Oklahoma State University

1987	Top Ten Graduating Senior at Oklahoma State University
1987	Outstanding Student in the College of Agriculture
1987	Outstanding Student in the Department of Animal Science
1987	Who's Who in American Colleges and Universities
1984-1987	Alpha Zeta
1987	Phi Kappa Phi
1987	Gamma Sigma Delta
1986	Golden Key National Honor Society
1986-1987	Ralston Purina Advanced Undergraduate Scholarship
1985-1986	Moorman Manufacturing Scholarship
1983-1987	Oklahoma State University Regents Distinguished Scholarship

## PROFESSIONAL SOCIETY AFFILIATIONS

1991-Present	American Society for Nutrition
2000-Present	Institute of Food Technologists (Professional Member)
1998-Present	International Association for Food Protection

1996-Present Sigma Xi  
 1996-Present MSU Extension Specialists Association  
 2007-2008 North Central Association of Food and Drug Officials  
 1999-2007 Great Lakes Conference for Food Protection

## PROFESSIONAL CREDENTIALS

1997-Present International HACCP Alliance, Certified Lead Instructor  
 2013-Present Institute of Food Technologists, Certified Food Scientist  
 2013-Present National Registry of Food Safety Professionals, Food Safety HACCP  
 Manager  
 2002-2007 National Restaurant Association Educational Foundation, ServSafe Lead  
 Instructor

## GRANTS

Dr. Bourquin has implemented grant-funded projects totaling in excess of \$15 million during his career at Michigan State University. Some recent funded projects include the following.

**Buyer Acceptance of USDA GAP and Group Certifications: Retailer Relations, Research, Recommendations, and Marketing.** Bourquin, L. D. (100%). Cooperative Agreement with USDA Agricultural Marketing Service. Focus: Research and Outreach. Amount requested: \$200,000. Award Period: 09/30/2019 – 09/30/2021. [I am the lead PI of this cooperative agreement, which is being implemented in partnership with the USDA Agricultural Marketing Service.]

**Republic of Georgia Food for Progress.** Bourquin, L. D. (50%) and Thiagarajan (50%), LAND O LAKES INC, (PRIME: USDA FOREIGN AGRICULTURAL SERVICE). Focus: Research; Amount requested \$513,000. (Proposed Project Period: April 1, 2020 - Sept 30, 2023), Date Submitted: May 7, 2018, APP# 00365398. [I am the lead PI of this project, which is currently being contracted with work to begin in 2020.]

**Vietnam Trade Capacity Building Program Focusing on Food Safety, Aquaculture and Fisheries.** Bourquin, L. D. (20%), Weeks, C. T. (19%), Thiagarajan, D. G. (20%), Smith, T. M. (11%), Qi, J. (11%), Kinnunen, R. E. (19%), , FOREIGN AGRICULTURAL SERVICE. Focus: Education/Instruction; Anticipated award amount \$750,000; Amount awarded to-date \$750,000. (September 30, 2016 - September 30, 2020), APP# 00019505-004028-00001. [I am the lead PI of this project and am responsible for delivering training activities and reports related to this project.]

**Assessment of Spillover Effects of Export-Oriented Sps Technical Assistance on the Domestic Food Safety Situation.** Bourquin, L. D. (50%), Thiagarajan, D. G. (50%), WORLD TRADE ORGANIZATION. Focus: Research; Anticipated award amount \$75,000; Amount awarded during report period \$75,000; Amount awarded to-date \$75,000. (March 1, 2017 -

November 1, 2018), APP# 00001339-004366-00001. [I am the lead PI of this project and first author of publications arising from this effort.]

**Development and Evaluation of Standardized, Competency-Based Food Safety Education and Training Programs for the Food Industry**, U. S. Department of Agriculture – National Integrated Food Safety Initiative, \$543,000. PIs – L. D. Bourquin, D. Thiagarajan, C. Geith, E. Roeber, K. Vignare, R. Linton (Ohio State), J. Rushing (University of Maryland – JIFSAN), J. Dubois (University of Maryland – JIFSAN). 9/1/11 – 8/31/16.

**APEC PTIN Food Safety Capacity Building Support**, U. S. Department of Agriculture – Foreign Agriculture Service, \$58,633.09. PIs – L. D. Bourquin, D. Thiagarajan. 9/1/2012 – 9/30/2014.

**Food Supply Chain Management Training for China, Vietnam and Malaysia**, The World Bank, \$159,274. PIs – L. D. Bourquin, D. Thiagarajan, C. Geith, G. Shelle. 1/1/2013 – 12/31/2013.

**A Southeast Asian Partnership to Build Trade Capacity for Fresh and Processed Fruit and Vegetable Products**, World Trade Organization – Standards and Trade Development Facility, \$599,665. PIs – D. C. Clay, L. D. Bourquin, D. Thiagarajan, and C. Geith. 1/1/11 – 6/30/13.

**Food Safety Training Program on Prerequisite Programs and HACCP Systems – China**, The World Bank, \$170,935. PIs – L. D. Bourquin, D. Thiagarajan, C. Geith, K. Vignare, W. Zhao. 4/1/2012 – 6/30/2013.

**Indian Horticulture Development Alliance (IHDA)**, United States Agency for International Development, \$1,395,000. PIs – D. G. Thiagarajan, L. D. Bourquin, D. C. Clay and J. M. Kerr. 10/1/08 – 9/30/11.

## SELECTED PUBLICATIONS

### Peer-Reviewed Journal Articles

Walker, R. & Bourquin, L. D. Dietary fiber sources differentially influence microbial populations and *Listeria monocytogenes* in mice. *Foods* (in preparation).

Walker, R. & Bourquin, L. D. Dietary fiber sources influence microbial populations and short-chain fatty acid production in an in vitro model of the human colon. *Nutrients* (in preparation).

Walker, R. & Bourquin, L. D. Effect of in vitro Fermentation End Products on Epithelial Cell Barrier Function and Apical *Listeria monocytogenes* Challenge. *Nutrients* (in preparation).

- Cao, L., & Bourquin, L. D. Influence of Apple Pomace and its fractions on intestinal tumor development in APC Min/+ mice. *Nutrition and Cancer* (in preparation).
- Alraqibah, S., Rose, J. B., Garcia-Salazar, C., & Bourquin, L. D. Assessment of Generic *E. coli* in Surface Irrigation Water Sources and Fruit in Selected Michigan Blueberry Farms. *Journal of Food Protection* (in preparation).
38. Cao, L., & Bourquin, L. D. 2020. Arsenic and Lead Concentrations in Shelf-Stable Commercial Apple Juices and Fresh Apple Ciders in Michigan. *J. Food Protect.* (in press).
37. Atis, L., Siddiq, M., Bourquin, L. D., Marks, B., Dolan, K. 2020. Assessment of apple packers' training needs and attitudes on food safety and the Food Safety Modernization Act (FSMA). *Food Protection Trends.* 40:29-39.
36. Abdirahman, Z.-Z., Bourquin, L. D., Sauvée, L., & Thiagarajan, D. G. (2018). Food safety implementation in the perspective of network learning. *International Journal of Food Studies* 7:17-29.
35. Geith, C., K. Vignare, D. Thiagarajan, and L. D. Bourquin. 2010. Designing corporate training in developing economies using open educational resources. *Journal of Asynchronous Learning Networks* 14:3-12. (*Not indexed by ISI Web of Science; 3 citations in Google Scholar*)
34. Bagumire, A., E. C. D. Todd, G. W. Nasinyama, C. Muyanja, W. K. Rumbelha, C. Harris, and L. D. Bourquin. 2009. Potential sources of food hazards in emerging commercial aquaculture industry in sub-Saharan Africa: A case study for Uganda. *Int. J. Food Sci. Technol.* 44:1677-1687. (*0 citations in ISI Web of Science; 4 citations in Google Scholar*)
33. Harris, K. L., G. Bobe, and L. D. Bourquin. 2009. Patulin Surveillance in apple cider produced and sold by Michigan cider mills in 2002-2004 and apple juice and cider sold in retail grocery stores in Michigan in 2005-2006. *J. Food Protect.* 72:1255-1261. (*5 citations in ISI Web of Science; 10 citations in Google Scholar*)
32. Wang, B., G. Bobe, J. J. LaPres, and L. D. Bourquin. 2009. Dietary carbohydrate source alters gene expression profile of intestinal epithelium in mice. *Nutr. Cancer* 61:146-155. (*5 citations in ISI Web of Science; 7 citations in Google Scholar*)
31. Wang, B., G. Bobe, J. J. LaPres, and L. D. Bourquin. 2009. High sucrose diets promote intestinal epithelial cell proliferation and tumorigenesis in APC<sup>Min</sup> mice by increasing insulin and IGF-I levels. *Nutr. Cancer* 61:81-93. (*4 citations in ISI Web of Science; 9 citations in Google Scholar*)
30. Knight, A. J., M. R. Worosz, M. K. Lapinski, T. A. Ten Eyck, C. K. Harris, L. D. Bourquin, T. M. Dietz, P. B. Thompson, and E. C. D. Todd. 2008. Consumer

perceptions of the food safety system: Implications for food safety educators and policy makers. *Food Protection Trends* 28:391-406. (*Not indexed by ISI Web of Science; 3 citations in Google Scholar*)

29. Bobe, G., D. J. Thede, T. A. Ten Eyck, and L. D. Bourquin. 2007. Microbial levels in Michigan apple cider and their association with manufacturing practices. *J. Food Protect.* 70:1187-1193. (*3 citations in ISI Web of Science; 4 citations in Google Scholar*)
28. Bobe, G., B. Wang, N. Seeram, M. G. Nair, and L. D. Bourquin. 2006. Dietary anthocyanin-rich tart cherry extract inhibits intestinal tumorigenesis in APC<sup>min</sup> mice fed suboptimal levels of sulindac. *J. Agric. Food Chem.* 54:9322-9328. (*29 citations in ISI Web of Science; 34 citations in Google Scholar*)
27. Ten Eyck, T., D. Thede, G. Bobe, and L. D. Bourquin. 2006. Is HACCP Nothing? A disjoint constitution between inspectors, processors and consumers and the cider industry in Michigan. *Agriculture and Human Values* 23:205-214. (*7 citations in ISI Web of Science; 8 citations in Google Scholar*)

### **Books, Book Chapters, Reviews and Monographs**

20. Bourquin, L. D., and Thiagarajan, D. 2018. Spillover Effects of Export-Oriented SPS Technical Assistance on the Domestic Food Safety Situation. Final Report for the WTO Standards and Trade Facility, October 2018.
19. Global Food Safety Initiative. 2018. The GFSI Global Markets Programme for Primary Production. The program is comprised by a protocol, requirements checklist, user guidance, and guidance on training and competency development of food safety practitioners.
18. Thiagarajan, D. and Bourquin, L. 2018. WTO-STDF DRIVING SAFE TRADE SOLUTIONS WORLDWIDE Results Booklet. The Path to Safer Food and Market Access: Scalable Food Safety Solution Delivers Results in Thailand and Viet Nam. March 2018.
17. Abdirahman, Z.-Z., L. D. Bourquin, L. Sauvée, and D. Thiagarajan. 2015. Collective initiatives for the implementation of food safety management system standards in the USA and France. Conference Paper. 9 pages. 59<sup>th</sup> European Organization of Quality Congress Proceedings. Athens, Greece.
16. Global Food Safety Initiative. 2015. GFSI Global Markets Program: Manufacturing Scope, 2<sup>nd</sup> Edition. L. D. Bourquin served as member of technical committee responsible for authoring this program. <http://www.mygfsi.com/market-access/toolkits.html>
15. Bourquin, L. D. 2014. Private Food Safety Standards and Third-Party Certification: Impact on Supplier Food Safety Practices, Hazard Incidence and Public Health. White

Paper prepared for the National Science Foundation Food Safety Workshop. October, 2014. [http://instrumentation.illinois.edu/events/2014.10.27-food\\_safety/](http://instrumentation.illinois.edu/events/2014.10.27-food_safety/)

14. SSAFE. 2014. SSAFE Global Dairy Farming Food Safety Training Framework. L. D. Bourquin served as member of technical committee responsible for authoring this framework.
13. Bourquin, L. D. 2014. Food Safety Standards in Sub-Saharan Africa and Asia – Current Status and Future Trends. White Paper prepared for the MSU Global Center for Food Systems Innovation.
12. Po, L., L. D. Bourquin, L. G. Occeña, and E. C. Po. 2011. Food Safety Education for Ethnic Audiences. Food Safety Magazine, Volume 17, Number 3(June/July 2011 Issue), pgs. 26-30 and 62-63.
11. Heyboer, G., S. Kim. L. D. Bourquin, and D. Thiagarajan. 2010. Building Capacity in Developing Countries: OER for Food Safety. In *Open Ed 2010 Proceedings*. Barcelona: UOC, OU, BYU.
10. Bourquin, L. D. 2008. Private standards compliance as a means for accessing high-value markets: Experiences with Indian mango and implications for other Indian agricultural value chains. p. 81-87. In: S. P. Singh, J. Funk, S. C. Tripathi, and N. Joshi (ed.), Food Safety Quality Assurance and Global Trade: Concerns and Strategies. International Book Distributing Co., Lucknow, India.
9. Thiagarajan, D., and L. D. Bourquin. 2008. Improving Farmer Incomes Via Enhanced and Sustainable Market Linkages. Final Report of the Partnerships for Food Industry Development: Fruits and Vegetables – India Mango Market Development Project. March 2008. 70 pages.
8. Knight, A. J., M. R. Worosz, E. C. D. Todd, L. D. Bourquin, and C. K. Harris. 2008. Listeria in Raw Milk Soft Cheese: A Case Study of Risk Governance in the United States using the IRGC Framework. p. 179-220. In: O. Renn and K. Walker (ed.), Global Risk Governance: Concept and Practice using the IRGC Framework. Springer, Dordrecht, The Netherlands. (*1 citation in ISI Web of Science; 6 citations in Google Scholar*)

### **Extension/Educational Curricula:**

Bourquin, L. D. 2014. Food Safety Manager Certification Training Program for Michigan Apple Cider Makers. 8 Training Modules (PowerPoint-based Curriculum) produced and delivered to meet the 5-year manager certification requirements for Michigan apple cider manufacturers. Modules were also video-captured for dissemination as an E-learning program by the Michigan Apple Association.

- Bourquin, L. D. 2013. Training Modules on General Food Safety Plans for the Food Industry – Chinese Edition. 17 Training Modules (PowerPoint-based Curriculum, Articulate eLearning Modules) produced for the Asia Pacific Economic Cooperation Forum’s Partnership Training Institute Network and The World Bank.
- Bourquin, L. D. 2013. Training Modules on General Food Safety Plans for the Food Industry – Vietnamese Edition. 17 Training Modules (PowerPoint-based Curriculum, Articulate eLearning Modules) produced for the Asia Pacific Economic Cooperation Forum’s Partnership Training Institute Network and The World Bank.
- Bourquin, L. D. 2013. Training Modules on Food Safety Practices for Aquaculture. 5 Training Modules (PowerPoint-based Curriculum) produced for the Asia Pacific Economic Cooperation Forum’s Partnership Training Institute Network and The World Bank. These modules have been peer-reviewed and translated to Bahasa Indonesia for a partner institution.
- Bourquin, L. D. 2012. Training Modules on General Food Safety Plans for the Food Industry. 107 page Participant Manual and 17 Training Modules (PowerPoint, Articulate eLearning Modules, Printed Curriculum) produced for the Asia Pacific Economic Cooperation Forum’s Partnership Training Institute Network and The World Bank.
- Bourquin, L. D., and K. Swoffer. 2011. Intermediate Level Food Safety Requirements for Food Manufacture. 24 Training Modules (PowerPoints, Flash Video Files, and supporting materials) produced from content delivered during the February 2011 training program in Chennai, India. These modules have subsequently been adapted and translated into Arabic and Ukrainian in partnership with other organizations. All materials are available online at: <http://www.fskntraining.org>
- Bourquin, L. D., D. Thiagarajan, and K. Swoffer. 2010. Coca-Cola Food Safety Conference Training Materials. 34 Training Modules (PowerPoints, Flash Video Files and supporting materials) produced from content delivered during the December 2009 training program in Shanghai, China. These modules were also translated into Chinese and simultaneous translations of flash video files for all presentations are available in Chinese. All materials are available online at: <http://www.fskntraining.org>
- Bourquin, L. D., D. Thiagarajan, and K. Swoffer. 2010. Basic Level Food Safety Requirements for Food Manufacture. 14 Training Modules (PowerPoints, Flash Video Files, Storyboards, and supporting materials) produced from content delivered during the September 2009 training program in Chennai, India. These modules have subsequently been adapted and translated into Chinese, Arabic, Spanish, and Ukrainian in partnership with other organizations. All materials are available online at: <http://www.fskntraining.org>



## GRADUATE STUDENT ADVISEES

- 2017 – Present **Shingiro, Jean Bosco** – Ph.D. Food Science. Research topic: Potato Taste Defect Characterization in Rwandan Coffee.
- 2013 – 2019 **Walker, Ryan** – Ph.D. Human Nutrition. Research topic: Influence of Diet on Immune Function.
- 2012 – 2018 **Cao, Loan** – Ph.D. Food Science. Research topic: Lead and arsenic contamination in juice products.
- 2013 – 2016 **AlMutairi, Saud** – M.S. Food Science. Ranking of food safety risks in apple juice products in the United States.
- 2014 – 2016 **AlRaqibah, Sultan** – M.S. Food Science. Safety of water used in fresh produce production.
- 2011 – 2013 **Ching'anda, Connel** – Prevalence of Histamine and Pathogenic Microorganisms in Fish Consumed in Rural Malawian Households. M.S. Food Science Thesis. Michigan State University.
- 2010 – 2013 **Walker, Ryan** – Research topic: Impact of Anthocyanins and Dietary Carbohydrates on Intestinal Tumorigenesis in APC<sup>Min/+</sup> Mice. M.S. Human Nutrition Thesis. Michigan State University.
- 2010 – 2012 **Cao, Loan** – Influence of Apple Pomace and Its Fractions on Intestinal Tumor Development in APC<sup>Min/+</sup> Mice. M.S. Food Science Thesis. Michigan State University.
- 2008 – 2011 **Powell, Kimberly** – Effects of Sucrose, Glucose, and Fructose Consumption on Intestinal Tumorigenesis in APC<sup>Min</sup> Mice. M.S. Food Science Thesis. Michigan State University.
- 2002 – 2007 **Harris, Kerri** – Patulin: Surveillance in Michigan Apple Cider and Juice, and Factors Influencing its Production and Concentration in Apple Products. Ph.D. Food Science Dissertation. Michigan State University.
- 2000 – 2005 **Wang, Bing** – Modulation of Intestinal Tumorigenesis by Dietary Carbohydrate and Protein Sources in APC<sup>min</sup> Mice. Ph.D. Human Nutrition Dissertation. Michigan State University.
- 1999 – 2004 **Thede, Donna** – Michigan Apple Cider Processing and Hazard Surveillance: Practices and Perceptions. Ph.D. Food Science Dissertation. Michigan State University.
- 1997 – 2002 **Kang, Soo-Young** – Inhibition Of Intestinal Tumorigenesis In Apc<sup>min</sup> Mice By Tart Cherry Anthocyanins And Sulindac. Ph.D. Human Nutrition Dissertation. Michigan State University.
- 1998 – 2000 **Wang, Bing** – Potential of soy to prevent colon cancer initiation and promotion. M.S. Human Nutrition Thesis. Michigan State University.

## OTHER GRADUATE STUDENT COMMITTEES

<u>Years</u>	<u>Name</u>	<u>Degree</u>	<u>Advisor</u>	<u>Major</u>
2002 – 2003	<b>Ahn, Eun-Hyun</b>	Ph.D.	Schroeder	Human Nutrition
1997 – 1999	<b>Ahn, Eun-Hyun</b>	M.S.	Schroeder	Human Nutrition
2012 – 2014	<b>Aldosari, Mohammed</b>	M.S.	Dolan	Food Science
2012 – 2018	<b>Alnughaymishi, Hamoud</b>	Ph.D.	Ryser	Food Science
1999 – 2000	<b>Arnold, Julie</b>	M.S.	Schroeder	Human Nutrition
2014 – 2018	<b>Atis, Lordwige</b>	M.S.	Dolan	Food Science
2000 – 2009	<b>Barrett, Kathleen</b>	Ph.D.	Bennink	Human Nutrition
2015 – 2017	<b>Borbi, Makafui</b>	M.S.	Dolan	Food Science
2003 – 2009	<b>Chanda, Anindya</b>	Ph.D.	Linz	Food Science
2011 – 2013	<b>Chilungo, Sarah</b>	M.S.	Ng	Food Science
2002 – 2002	<b>Cichewicz, Robert</b>	Ph.D.	Nair	Horticulture
1999 – 2002	<b>Clifford, Laura</b>	Ph.D.	Pestka	Food Science
2012 – 2013	<b>Emery, Jessica</b>	M.S.	Marks	Biosystems Engineering
2013 – 2014	<b>Hooper, Sharon</b>	Ph.D.	Ng/Bennink	Food Science
2013 – 2018	<b>Katuuramu, Dennis</b>	Ph.D.	Cichy	Plant, Soil and Microbial Sciences
2012 – 2016	<b>Roidoung, Sunisa</b>	Ph.D.	Dolan	Food Science
2002 – 2006	<b>Rondini, Elizabeth</b>	Ph.D.	Bennink	Human Nutrition
1998 – 2000	<b>Rondini, Elizabeth</b>	M.S.	Bennink	Human Nutrition
1998 – 2001	<b>Seymour, E. M.</b>	M.S.	Bennink	Human Nutrition
2004 – 2009	<b>Seymour, E. M.</b>	Ph.D.	Bennink	Human Nutrition
1997 – 2001	<b>Tjardes, Kent</b>	Ph.D.	Buskirk	Animal Science
1999 – 2002	<b>Vanos, Stephen</b>	M.S.	Strasburg	Food Science
2000 – 2002	<b>Voelker, Jennifer</b>	M.S.	Ellis	Animal Science
2002 – 2003	<b>Weil, Marvin</b>	Ph.D.	Nair	Horticulture
2001 – 2003	<b>Williment, Melissa</b>	Ph.D.	Ten Eyck	Sociology (withdrew from program)

## MENTORSHIP OF RESEARCH ASSOCIATES / ACADEMIC SPECIALISTS

2018 – 2019	<b>Cao, Loan Thi Thanh</b> – Visiting Research Associate.
2013	<b>Shrestha, Devendra</b> – Specialist / Outreach, Project Coordinator, Saudi Arabian Food Safety Training – Education Initiative.
2007 – 2008	<b>Bagumire, Ananias</b> – Visiting Research Associate. Conducted research on food safety for 8 months as part of his Ph.D. research program at Makerere University, Uganda.
2003 – 2005	<b>Bobe, Gerd</b> – Visiting Research Associate.
2002 – 2007	<b>Occeña-Po, Lillian</b> – Visiting Assistant Professor, Department of Food Science and Human Nutrition and MSU Extension.