

***Education***

**Michigan State University**, East Lansing, MI. Department of Biosystems and Agricultural Engineering. Ph.D. Biosystems Engineering. December 2006.

Dissertation title: “Uncertainty assessment and validation of predictive microbial growth models”.

**Michigan State University**, East Lansing, MI. Department of Biosystems and Agricultural Engineering. M.S. Biosystems Engineering. December 2002.

Thesis title: “Supercritical fluid extraction of quercetin from onion skins”.

**Universidad Nacional de Asunción**, San Lorenzo, Paraguay. College of Chemical Science. B.S. Chemical Engineering, February 1998.

***Professional Experience***

**Assistant Professor and Extension Specialist**. Department of Food Science and Technology. University of Georgia. Sep/2007-Present.

**Graduate Research Assistant**. Department of Biosystems and Agricultural Engineering, Michigan State University. May/05-Dec/05.

**Research Assistant**. Department of Biosystems and Agricultural Engineering, Michigan State University. Jun/03-May/05.

**Graduate Research Assistant**. Department of Biosystems and Agricultural Engineering, Michigan State University. Aug/00-Dec/02.

**Research Assistant**. Michigan Biotechnology Institute (MBI International). Lansing, MI. Apr/00-Aug/00.

***Certifications***

**Better Process Control School**. Certified, 2004.

**HACCP: development, verification and validation**. Certified, 2005.

***Foreign Language***

Fluent in Spanish.

***Publications and presentations***

*Martino, K. G.*, and B. P. Marks. 2007. Comparing uncertainty resulting from two-step and global regression procedures applied to microbial growth models. *Journal of Food Protection* (70) 12:2811-2818.

*Martino, K.G.*, and B.P. Marks. 2007. Uncertainty Assessment of Broth-based Microbial Growth Models. IAFP Poster # P3-26. Presented at the International Association for Food Protection 94<sup>th</sup> annual meeting. July 8-11. Orlando, FL.

*Martino, K.G.*, and B.P. Marks. 2006. Comparing two different growth modeling approaches applied to *Listeria monocytogenes* in meat and poultry products . IFT Abstract #36-03. Presented at the Institute of Food Technologists Annual Meeting. June 24-28. Orlando, FL.

*Martino, K.G.*, B.P. Marks, D.T. Campos, and M. L. Tamplin. 2005. Quantifying the robustness of a broth-based model for predicting *Listeria monocytogenes* growth in meat and poultry products. *Journal of Food Protection* (68) 11: 2310-2316.

*Martino, K.G.*, B.P. Marks, and D.T. Campos. 2005. Quantifying sources of variability and uncertainty in broth-based growth models for *Listeria monocytogenes* and *E. coli*

**Curriculum Vitae**  
**KARINA G. MARTINO**

---

*O157:H7*. Symposium presented at the 105<sup>th</sup> General Meeting of the American Society for Microbiology. June 5-9, 2005. Atlanta, GA.

Campos, D.T, B.P. Marks, K.G. *Martino*, M.L. Tamplin. 2005. Quantifying the robustness of broth-based growth models for *E.coli* O157:H7 and *Listeria monocytogenes* in meat and poultry products. Presented at the American Society of Microbiology Annual Meeting. Atlanta, GA. June 7, 2005

*Martino, K.G.*, and D. Guyer. 2004. Supercritical Fluid Extraction of Quercetin from Onion Skins. *Journal of Food Process Engineering* (27): 17-28.

*Martino, K.G.*, B.P. Marks, D.T. Campos, and M.L. Tamplin. 2004. Quantifying the robustness of a broth-based model for predicting *Listeria monocytogenes* growth in meat and poultry products. IFT Abstract #67E-19. Presented at the Institute of Food Technologists Annual Meeting. July 12-16, 2004. Las Vegas, NV.

*Martino, K.G.*, B.P. Marks, D.T. Campos, and M.L. Tamplin. 2004. Contributions of Primary and Secondary Model Uncertainty to the Robustness of a Broth-based Microbial Growth Model for *Listeria monocytogenes* and *Escherichia coli* O157:H7 in Meat and Poultry Products. IAFP Abstract #P100. August 8-11, 2004. Phoenix, AZ.

*Martino, K.G.*, and D. Guyer. 2003. Supercritical Fluid Extraction of Quercetin from Onion Skins. IFT Abstract #92B-17. Presented at the Institute of Food Technologists Annual Meeting. July 14-16, 2003. Chicago, IL.

***Professional Memberships***

**International Association for Food Protection.** Member, March/05-current.

**Institute of Food Technologists.** Member, Jan/01-current.

**Society of Hispanic Professional Engineers.** May/07-current.

**Georgia Association of County Agricultural Agents.** January/07-current.

***Awards***

MSU Quantitative Biology and Modeling Initiative Graduate Research Fellowship, 2005.

MSU Dissertation Completion Fellowship, 2006.

***Extension practice***

Process approvals: revise and approve processes of acid and acidified foods for the Georgia Department of Agriculture.

Assist several companies with questions via emails and phone calls.

***Workshops***

*HACCP for meat and poultry.* Coordinator and Lecturer. 2 days workshop. Three times a year. Martino's lectures constitute ~ 6 hours of lecture annually. ~ 60 Meat and Poultry industry professionals trained per year.

*Advance HACCP for meat and poultry.* Coordinator and Lecturer. 2 days workshop. Martino's lecture constitute ~ 6 hours of instruction each year. 15-20 meat and poultry professionals trained each year.

*Meat and Poultry Marination short-course.* Coordinator. 3 days workshop. ~ 20 meat and poultry professionals trained each year.

**Curriculum Vitae**  
**KARINA G. MARTINO**

---

*Starting a New Food Business.* Co-coordinator and Lecturer. 1 day workshop. ~ 3 times a year. Martino's lecture constitute ~ 3 hours of instruction per year. ~ 50 food entrepreneurs trained each year.

*Water conservation.* Co-coordinator and Lecturer. 1 day workshop. Martino's lecture constitute ~ 1 hour of instruction per year. ~ 20 meat and poultry professionals trained each year.

*Better Process Control School.* Coordinator and Lecturer. 4 days workshop. Martino's lecture constitute ~ 1 hour of instruction per year. ~ 30 food industry professionals are trained each year.

***Customized on-site training***

*Development and Implementing a HACCP plan for RUTF* (ready to utilize therapeutic food). Coordinator and Lecturer. March 2008. Cap Haitien, Haiti. 5 days, 5 participants.