

Ken Lee

Professor and Director OSU Food Innovation Center
The Ohio State University, Columbus

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Professional Preparation

Rutgers University, Cook College, New Brunswick NJ Food Science. high honors **B.S. 1975**
University of Massachusetts at Amherst, MA Food Science & Nutrition. . . **M.S. 1977**
University of Massachusetts at Amherst, MA Food Science & Nutrition. . . **Ph.D. 1980**

Appointments

Director and Lead Investigator, OSU Food Innovation Center and an Ohio Center of Excellence. . . 2009 to present.

This \$3.75 million Center addresses global food issues. Feeding the rapidly growing world population (a projected 8 billion by 2025) will require a 40% increase in the world food supply. The Center brings together expertise of 140 faculty researchers in 12 colleges to attack the food crisis by addressing four themes: foods for health, food safety, biomedical nutrition and global food policy. In March 2010 this effort won Ohio Center of Excellence stature from the state, advancing the 10 year strategic plan for higher education.

American Council for Education (ACE) Fellow 2009-10.

Nominated by President E Gordon Gee to represent OSU in a one-year fellowship at the U of Wisconsin System. The ACE Fellows Program® is the nation's premier higher education leadership development program preparing senior leaders to serve American universities since 1965.

Director, Ohio State Food Safety and Security Center, CFAES, OSU 2005 to 2009

Leader of an Ag Bioscience Center, \$400k /3y, to help commercialize bioscience technologies. Also a coauthor of a six college targeted investment in excellence winning \$4.7M /5y for public health preparedness.

Professor and Chair, Department of Food Science and Technology, OSU 1990 - 2005

Built a new building and raised \$12 million in a \$6M campaign. Hired outstanding faculty and staff over four terms as chair leading to an unprecedented twelve major national awards for excellence. Built stature and the most diverse unit in the college as we earned a department-wide teaching excellence award.

Interim Director, Ohio State University Food Industries Center 2001 - 2002

Improved relations with the Ohio industry and helped obtain federal appropriations for food manufacture (\$1.2M)

Associate Professor of Food Science, Dept. of Food Science, UW-Madison 1985 - 1990

Coauthor of a successful National Dairy Center proposal. Chair of the Research Advisory Committee for the Wisconsin Center for Dairy Research. UW-Madison

Assistant Professor of Food Science, Dept. of Food Science, UW-Madison 1980 - 1985

Tenured based on research excellence. First at UW-Madison to extend a popular high enrollment course on cable television, attracting more than 1000 students per semester.

Publications

1. Yousef, A., Lee, K. 2006. Optimizing Ozone Processing Technology for Farm-Fresh, Salmonella-Free Shell eggs **OARDC Research Update**, Seeds No. 35. p1.
2. Aruscavage, D., Lee, K. Miller, S. and LeJeune, J.T. 2006. Interactions affecting the proliferation and control of human pathogens on edible plants. **J. Food Sci.**, 71(8): R89-R99.
3. Luis A. Rodriguez-Romo, Mustafa Vurma, Ken Lee, and Ahmed E. Yousef, 2007. Penetration of Ozone Gas across the Shell of Hen Eggs, **Ozone Sci. Eng.**, 29(2):147-150.
4. Aruscavage, D., S.A. Miller, M.L. Lewis-Ivey, K. Lee, and J.T. LeJeune, 2008. Survival and Dissemination of

- Escherichia coli O157:H7 on Physically and Biologically Damaged Lettuce Plants, **Journal of Food Protection**®, Volume 71, Number 12, pp. 2384-2388(5).
- Aruscavage, D., P.L. Phelan, K. Lee and J.T. LeJeune, 2009. Effect of nutritional changes created by biological damage to tomato plants on the proliferation of Escherichia coli O157. **Appl. Envir. Microbio.**
 - Pascall, M, K. Lee, A. Frasier, L. Halim, 2009. Using Focus Groups to Study Consumer Understanding and Experiences with Tamper-Evident Packaging Devices. **J. Food Sci Ed**, 8(2): 53-59.
 - Kamotani, S., Hooker, NA., Smith, SA, and Lee, K. 2010. Consumer Acceptance of Ozone-Treated Whole Shell Eggs. **J Food Sci** 75(2):S103-S107.
 - Aruscavage, D, Phelan, PL., Lee, K. and LeJeune, JT. 2010. Impact of changes in sugar exudate created by biological damage... on the persistence of Escherichia coli O157:H7. **J Food Sci** 75(4): M187-M192.
 - Grasso EM., Somerville, JA., Balasubramaniam, VM., and Lee, K. 2010. Minimal Effects of High-Pressure Treatment on Salmonella ...Inoculated into Peanut Butter and Peanut Products. **J Food Sci** 75(8): E522-E526.
 - Grasso, EM., Uribe-Rendon, RM., Lee, K. 2010. Inactivation of Escherichia coli inoculated onto fresh-cut chopped cabbage using electron-beam processing. **J Food Prot** 74(1):115-118.

Synergistic Activities

- Elected **President of Phi Tau Sigma**, the Honorary Society of the Food Science Profession, 2011-2012. Leading establishment of \$100,000 endowment, new website forum, new internet presence, global chapter organizations and significant membership growth. Host of national student awards ceremony at the 2012 Las Vegas Institute of Food Technologists annual meeting and food exposition. [Http://phitausigma.org](http://phitausigma.org)
- Re-Elected to Ohio State **University Senate**, 2011-2014. Defining teaching within rules committee. Prior service as chair of Government Affairs Committee and of Faculty Hearing Committee. [Http://senate.osu.edu](http://senate.osu.edu)
- Elected Fellow** of the Institute of Food Technologists, 1997. Current service as a mentor to students and future professionals and serving as the current Fellers Achievement Award jury chair to select one honoree from the profession with 24,000 active members. <http://www.ift.org/community/fellows.aspx>
- Ohio State **University Commencement** speaker, the first address post 9-11-2001 that was coincidentally on Pearl Harbor Day, Dec. 7, 2001. Challenged our graduates who joined a nation at war to make the world a safe place to be different. Current service on Diversity Catalyst Team.
- Winner of the National Institute of Food Technologists **Carl R. Fellers Achievement Award**, honoring the one individual who brings honor and recognition to the profession in 2007. Current service as science communicator for the IFT and IFIC (International Food Information Council Foundation). <http://www.foodinsight.org>

Collaborators & Other Affiliations

Collaborators (*alphabetical, prior 4 years, all affiliations Ohio State except where stated*):

Aruscavage, D., SUNY Potsdam NY;	Gurtler, J, USDA ERRC;	LeJeune, Jeff T., OARDC;	Reeve, John; Saif, Yehia
Balasubramaniam, VM.;	Halim, L;	Lemeshow, Stanley;	M; Schlessinger, Larry;
Bruggemeyer, R.;	Heavenridge, Jack, Eggtech Ltd. OH;	Li, J, OSU	Schwartz, Steven J;
Buckley, Timothy;	Hemmelgarn, R, Eggtech OH;	Li, Jianrong; OSU;	Smith, Stephanie A, CIFT Toledo OH;
Chen, H., University of Delaware;	Hertzfeld, Tim, Eggtech Ltd OH;	Moreno, Joe, Xigent Inc. Lewis Center OH;	Somerville, Jeremy A; Su, Y, Oregon State U; Uribe- Rendon, Roberto M. Kent State U.;
Clinton, Steve, OSU Medical Center;	Hooker, Neal A., St Josephs Pittsburg PA;	Myers, Stephen, OBIC;	Wang, Hua;
Doohan, Douglas; OARDC;	Jiang, J, U of Cincinnati	Niemira, B, USDA Eastern Regional Research Center;	Wang, Hua;
Failla, Mark;	College of Medicine;	Ozbay, G, Delaware State University;	Weaver, T. Eggtech OH;
Frasier, Angela, North Carolina State U; Grasso, Elizabeth M., FDA	Kamotani, Setsuko, US Patent Office Washington DC;	Pascall, Melvin; Phelan P.L. OARDC; Pivarnik, L, U of Rhode Island;	Worobo, R, Cornell;
Moffett Cntr, Summit Argo IL;	Larimore, S.;		Wu, C, Univ of Delaware;
	Leiblein, Michael;		Yousef, Ahmed E.;

Grad advisor: Dr. Fergus M Clydesdale, U of Massachusetts at Amherst

Thesis advisor or sponsor to: Current: Gabe Sanglay, Ashley Predmore; Completed Ph.D.: Daniel Aruscavage, Faculty member - SUNY State University of New York, Potsdam, Elizabeth Grasso, FDA Commissioner's Fellow, Moffett Center Chicago IL. Master's Student (thesis advisor) Current: Esther Maxkwee; Students Completed M.S.: Setsuko Kamotani, Examiner US Patent Office, Washington DC., Total grad students advised at OSU and Wisconsin = 31.