

Ken Lee
Professor and Chair
Department of Food Science & Technology
The College of Food, Agricultural, and Environmental Sciences
The Ohio State University, Columbus



Office: 110 Parker Food Science Building (614) 292-7797
2015 Fyffe Road, Columbus, OH 43210-1007 fax: (614) 292-0218
web: <http://fst.osu.edu/lee> E-mail: lee.133@osu.edu

Education

1980 **Ph.D.**, 1980, Food Science and Nutrition, University of Massachusetts, Amherst.
Professor Fergus M. Clydesdale, Advisor, thesis on Chemistry of Iron in Processed Foods.
1975 **B.S.**, 1975, Food Science, Cook College, Rutgers University, N.J., High Honors

Employment

1990 - *present* **Professor and Chair**, Department of Food Science and Technology, OSU
2001 - 2002 **Interim Director**, Ohio State University Food Industries Center
1985 - 1990 **Associate Professor of Food Science**, Dept. of Food Science, UW-Madison
1980 - 1985 **Assistant Professor of Food Science**, Dept. of Food Science, UW-Madison

Honors

NY-IFT Scholarship '74; Florasynth Fellowship '78. Alpha Zeta, Gamma Sigma, Phi Tau Sigma, ΓΣΔ. Spitzer Excellence in Teaching Award '85. G. Malcom Trout Distinguished Lecturer '90. IFT Fellow, 1997.

Societies

Institute of Food Technologists (IFT) Professional Member, American Association of Cereal Chemists, American Institute of Nutrition, American Association for the Advancement of Science, American Chemical Society.

Highlights

- ▶ Popular invited speaker on food risk-benefit issues. Extensive media experience on current food issues. Instructed *Science of Food*, a large enrollment course that was first at UW-Madison to be broadcast live on cable television.
- ▶ Planned and advanced a \$4 million addition to the University of Wisconsin at Madison Food Science Department and \$17 million capital project, The Parker Food Science Building at Ohio State University (occupied January 2001).
- ▶ Successful private sector campaign raising more than \$6 million for the food science building and \$4 million in endowed chair, research and scholarship funds under the direction of Ohio State Development.
- ▶ Several search committees including the Dean of Human Ecology, the Vice-Provost for Academic Policy, Graduate School Dean, Vice President for Development, and the Associate Vice President for Agricultural Administration.
- ▶ Chair of high stature academic unit, 14 years, Chair of OSU Senate Government Affairs, 2004, Appointed to John Glenn Institute, 1999. Chair of Awards program for professional society IFT, 1996.
- ▶ Commencement Speaker, Ohio State University 359th Commencement, December 7, 2001.

Professional Positions, Elected

Conference Chair, Northern Regional Research Center, 1982; Program Chair, Wisconsin IFT, 1982; Chair, Wisconsin IFT, 1983; Councilor, National IFT 1984-present; IFT Committee on Nominations and Elections (1990-93). IFT Executive Committee, 1996-98. President, The Food Update Foundation, 2000-1.

Professional Positions, Appointed

Conference Chair, Midwest Food Processing Conference, 1984; WIFT Nominations Chair 1988; IFT Regional Communicator, 1980-90; IFT Long Range Planning Subcommittee, 1987-89; IFT Long Range Planning Chair, 1990; OSPA Journalism Awards Jury Chair (1989-91); IFT Ad Hoc Headquarters Committee (1990); IFT Strategic Planning Ad Hoc (1990); IFT Ad Hoc Washington Presence (1990); CRC Critical Reviews in Food Science and Nutrition Editorial Board, 1987-p. IFT Chang Award Jury Chair (1993, 1994); IFT Annual Meeting Committee, 1994. IFT Awards Committee Chair, 1996. Aspen Publishing Company Editorial Board, 1995-present. Food Update Foundation Board of Governors, 1996 to present. National Academy of Sciences Doctoral Review Planning Committee, 1996. IFT Outcome-based Education Committee, 1998. AACC Professional Development Panel, 1999. IFT Consumer Outreach Task Force Chair, 2000. IFT Consumer Enhancement and Communications Chair, 2001. FDA Food Contaminants Subcommittee, 2004.

Internal Assignments (recent year)

- ▶ Chair, Ohio State Senate Legislative Affairs Committee, 2003-4.
- ▶ OAA Departmental Teaching Excellence Award Committee, 2004.
- ▶ Search for the Director, College Information Technology, CFAES (current).
- ▶ Ronald Harris Distinguished Lectureship Award, 2004.

External Assignments (most recent year)

- ▶ Food Advisory Committee, Toxicants and Contaminants Subcommittee, Federal Food and Drug Administration (current)
- ▶ Foods of the Future Advisory Committee, Center for Innovative Food Technologies (current)
- ▶ IFT Chief Food Officials Committee (current)
- ▶ Food Update Foundation Board of Directors (current) and Past-President
- ▶ Comprehensive review of Cornell food sciences program, Oct. 2004.

Research

Nationally recognized research program on food chemical-nutrient interactions and mineral availability. Projects include mineral bioavailability from cured meats, analysis of nutrient inhibitors, mineral binding by dietary fiber, oxidized cholesterol compounds in foods, nitrate metabolism and analysis in foods, anti-nutrients in tea and hydrocolloids in dairy foods. Summary: 45 peer review publications in *J. Food Sci.* (20), *J. Food Prot.* (6), *J. Agric. Food Chem.* (4), several others (14); 6 non-peer papers; 34 published abstracts; 4 Ph.D. Theses, 10 M.S. Theses. See <http://fst.osu.edu/Lee/pub-list.htm> for full list.

Publication Highlights

- This peer review article was selected for the 75th Anniversary Commemorative Issue of the Founding of the Agricultural and Food Chemistry Division of the American Chemical Society. *Lee, K., Chinn, B.L., Greger, J.L., Graham, K.L. and Liebert, J.C. 1984. Bioavailability of iron to rats from nitrite and erythorbate cured processed meats. J. Ag. Food Chem. 32:856-860.*
- An original technique was developed for damaged cholesterol bioassay using a microorganism that has an absolute growth requirement for it. It was hypothesized that damaged cholesterol is toxic.

Herian, A.M., Kuehl, N. and Lee, K., 1985. Growth inhibition of Mycoplasma gallisepticum following membrane insertion of cholesterol triol. J. Food Prot. 48:1050-1053.

- At Wisconsin, Lee's group was the first to show de novo synthesis of nitrate in humans using human metabolic methods. This was important in debunking rumored toxicity of the substance in foods. *Lee, K., Greger, J.L., Consaul, J.R., Graham, K.L. and Chinn, B.L., 1986. Nitrate, Nitrite balance and de novo synthesis of nitrate in humans consuming cured meats. Am. J. Clin. Nutr. 44:188-194.*
- Many public speaking engagements result from Lee's popular article on public perception of risk from eating. *Lee, K., 1989. Food neophobia: Major causes and treatments. Food Technol. 43(12):67-72.*

Speaking Engagements, recent year

- ▶ Lee, K., November 2, 2004. A Center for Food Safety and Security. The Ag Biosciences Innovative Grants Program, Ohio Wetlands Conf., OARDC, Columbus, OH.
- ▶ Lee, K. October 27, 2004. Core competencies in food science research and outreach. Snack Food Association Board of Directors, OSU Parker Building, Columbus, OH.
- ▶ Lee, K. October 17, 2004. Some four letter words about the food you eat. Ohio Leadership Development Program, Columbus, OH. Alice Black, director.
- ▶ Lee, K. August 11, 2004. Beverage development at Ohio State. Cadbury-Schweppes, Trumbull, CT.
- ▶ Lee, K. July 15, 2004. Future trends and potential applications in hurdle technologies. A Symposium on Hurdle Technologies, Institute of Food Technologists, Las Vegas, NV.
- ▶ Aruscavage, DF, Lee, K. LeJeune, JT. July 16, 2004. Presence of plant pathogens increases survival and proliferation of E. Coli 0157 in the phyllosphere of plants. IFT, Las Vegas, NV.
- ▶ Lee, K. April 26, 2004. Emerging Technologies. Food Update Foundation Annual Meeting, Sonesta Key Biscayne, FL.
- ▶ Lee, K., March 30, 2004. The Ohio State Food Defense Center. Department of Homeland Security site visit, Pfahl Hall, Columbus OH.
- ▶ Lee, K. March 16, 2004. Food technologies at Ohio State. The Marion Ohio Rotary Club, Marion, Ohio, Mike Wagner, President.
- ▶ Lee, K. March 11, 2004. Food Technologies at Ohio State. Tianjin University of Science and Technology, South China visit to OSU.
- ▶ Lee, K. December 10, 2003. Food safety in perspective. The Columbus Metropolitan Club, Columbus, OH.
- ▶ Lee, K. November 6, 2003. Opportunities with the NSF I/UCRC. Anjimoto Corporation visit, Columbus, OH.
- ▶ Lee, K., October 11, 2003. Engaging Faculty: Mediated instruction. Outreach and engagement conference, Madison, Wisconsin.

For more 1-800-752-2751
email: lee.133@osu.edu

<http://fst.osu.edu/lee>