

VITAE

S. SUZANNE NIELSEN

A. GENERAL INFORMATION

1. Academic Record

<u>Degree Received</u>	<u>Institution</u>	<u>Date</u>	<u>Major</u>	<u>Minor</u>
B.S.	Univ. of Nebraska-Lincoln	May 1976	Food Sci.	Dietetics
M.S.	Univ. of Minnesota	Dec. 1979	Food Sci.	Biochemistry
Ph.D.	Univ. of Minnesota	Dec. 1982	Food Sci.	Nutrition

Professional Experience

Faculty Fellow, Office of Corporate & Global Partnerships, Purdue Univ.	1/2014 - present
Head, Dept. of Food Science, Purdue Univ.	6/2003 - 6/2013
Professor, Dept. of Food Science, Purdue Univ.	7/1993 - present
Associate Professor, Dept. of Food Science, Purdue Univ.	7/1988 - 6/1993
Assistant Professor, Dept. of Food Science, Purdue Univ.	7/1983 - 6/1988
Post Doctoral Res. Assoc., Dept. of Biochem., Purdue Univ.	9/1982 - 6/1983

2. Awards and Honors

- Graduate Fellowships: Ralston Purina - 1977, 1978, 1979; Institute of Food Technologists (IFT) - 1980, 1981
- Honorable Mention, Graduate Research Paper Competition, IFT-1979
- Outstanding Teaching Award, Department of Food Science - 1986, 1987, 1988, 1989, 1990, 1994, 1998, 1999, 2000, 2010, 2013
- Archer Daniels Midland Award for Best Protein and Co-Products Paper, Engineering and Technology Area, J. Amer. Oil Chem. Soc. - 1987
- CERES, Agricultural Honorary Fraternity - Honorary Member, 1989
- Agricultural Research Award, School of Agriculture, Purdue Univ., 1997
- Gamma Sigma Delta Award of Merit for Research, Purdue University, 1998
- Institute of Food Technologists, Fellow, 2000
- Outstanding Alumni Award, Univ. of Minnesota, 2001
- William V. Cruess Award, Institute of Food Technologists, 2002
- Outstanding Graduate Educator Award, School of Agriculture, Purdue Univ., 2003
- Honorary Member, Iron Key Campus Leaders Honorary Society, 2004-2005
- Outstanding Alumni, Master Week, University of Nebraska - Lincoln, 2005
- Helen B. Schleman Gold Medallion Award, Purdue Univ., 2009
- Richard L. Kohls Award for Undergrad. Teaching, College of Ag, Purdue Univ., 2014
- Charles B. Murphy Award for Teaching, Purdue Univ., 2014
- Outstanding Undergraduate Counselor Award, Department of Food Science - 2016

3. Memberships in Academic, Professional and Scholarly Societies

- Institute of Food Technologists (IFT)

- Phi Tau Sigma
- Phi Kappa Phi
- Gamma Sigma Delta
- Alpha Zeta
- Council for Agricultural Science and Technology (CAST)

4. Leadership Experience

Department

- Chair, Food Science Graduate Committee, 1986-2003
- Head, Dept. of Food Science, 2003-2013

University

- Organizer of meetings for Women faculty in School of Agriculture (at Dean's request), 1997-2002
- Chair, University Research Competitiveness Committee on Human Capital, 1999-2000
- Chair, School of Agriculture Graduate Education Roadmapping Committee, 2001
- Chair, Search Committee, Biochem. Dept. Head, 2008
- Co-Chair, International Agriculture Subcommittee, Strategic Planning, College of Agriculture, 2008-09
- Chair, Search Committee, Animal Science Dept. Head, 2009
- Faculty Fellow, Office of Corporate & Global Partnerships, 2014-present
- Chair, International Team, Strategic Planning, College of Agriculture, 2014-15

State

- Chair-Elect, Indiana Section IFT, 1985-1986
- Chair, Indiana Section IFT, 1986-1987
- Secretary, Hoosier Chapter Phi Tau Sigma, 1984-1985
- Treasurer, Hoosier Chapter Phi Tau Sigma, 1987-1988

National

- Chair, IFT Research Committee, 1997-1998
- Testified on behalf of IFT at U.S. Senate hearing, Committee on Agriculture, Nutrition and Forestry, Washington, DC, March 1997
- Chair, Technical Committee, Bean/Cowpea Collaborative Research Support Program (CRSP), 1995-1997
- Chair, Review Committee for Dept. of Food Science at North Carolina State University, 1999
- Chair, IFT National Health Museum Liaison Committee, 2000-2002
- Chair, IFT Task Force on Advancing the Profession, 2002
- Chair, Food Chemicals Codex Committee, National Academy of Sciences, 2001-2005
- Chair-Elect, U.S. Food Science Administrators, 2006
- Chair, U.S. Food Science Administrators, 2007
- Chair, IFT Nominations & Elections Committee, 2011-2012
- President, Phi Tau Sigma, 2012-2013

B. RESEARCH

1. Refereed Papers (listed since 2005; 81 papers prior to 2005)

- Maurer, G., G. Fakuda, and S. S. Nielsen. 2005. Development of bean-based granola bars and cereal. *Cereal Foods World* 50(1): 27-32.
- Choi, L. H., and S. S. Nielsen. 2005. The effects of thermal and nonthermal processing methods on apple cider quality and consumer acceptability. *J Food Quality* 28:13-29.

- Lalitha, S., R. E. Shade, L. L. Murdock, P. M. Hasegawa, R. A. Bressan, and S. S. Nielsen. 2005. Comparison of chemical characteristics of three soybean cysteine proteinase inhibitors. *J. Agric. Food Chem.* 53:1591-1597.
- Lalitha, S., R. E. Shade, L. L. Murdock, R. A. Bressan, P. M. Hasegawa, and S. S. Nielsen. 2005. Effectiveness of recombinant soybean cysteine proteinase inhibitors against selected crop pests. *Comp. Biochem. Physiol. C* 140:227-235.
- Frohbieter, K.A., B. Ismail, S. S. Nielsen, and K. D. Hayes. 2005. Effects of *Pseudomonas fluorescens* M3/6 bacterial protease on plasmin system and plasminogen activation. *Journal of Dairy Science*, 88 (10):3392-3401
- Choi, L. H., L. M. Were, and S. S. Nielsen. 2006. Effects of incubation temperature and salt concentration on plasminogen activators in cheese curd. *International Dairy Journal*. 16:609-618.
- Larson, N. K., B. Ismail, S. S. Nielsen, and K. D. Hayes. 2006. Activity of *Bacillus polymyxa* protease on components of the plasmin system. *International Dairy Journal*. 16(6):586-592.
- Ismail, B., Choi, L. H., Were, L. M., and Nielsen, S. S. 2006. Activity and nature of plasminogen activators associated with the casein micelle. *Journal of Dairy Science*, 89 (9): 3285-3295.
- Durkee, D. L., Machado, C., Fukuda, G., and Nielsen, S. S. 2006. Development and sensory evaluation of snack bars with bean-based filling. *Cereal Foods World* 51(6): 313-318.
- Machado, C.M., L. Lamothe, B. Ismail, and S. S. Nielsen. 2007. Development of bean-corn tortillas. *Cereal Foods World* 52:263-268.
- Machado, C.M., M.G. Ferruzzi, and S. S. Nielsen. 2008. Impact of the hard-to-cook phenomenon on phenolic antioxidants in dry beans (*Phaseolus vulgaris*). *Journal of Agricultural & Food Chemistry* 56:3102-3210.
- Ismail, B., and S. S. Nielsen. 2010. Plasmin protease in milk: Current knowledge and relevance to dairy industry. *J. Dairy Sci.* 93:4999-5009.

2. Books (since 2010; 6 prior to 2000)

Nielsen, S.S. (Editor). 2010. *Food Analysis, 4th Ed.*, Springer, New York.

Nielsen, S.S. (Editor). 2010. *Laboratory Manual for Food Analysis, 2nd Ed.* Springer, New York.

Nielsen, S.S. (Editor). 2017. *Food Analysis, 5th Ed.*, Springer, New York.

Nielsen, S.S. (Editor). 2017. *Laboratory Manual for Food Analysis, 3rd Ed.* Springer, New York.

3. Graduate Students Completed

24 M.S.; 12 Ph.D.

4. National or International Involvement (since 2000)

- IFT Executive Committee, 1998-2001
- IFT National Health Museum Liaison Committee, 2000-2002
- IFT Task Force on Advancing the Profession, 2002-2003
- IFT Task Force on Fellows Participation & Activities, 2005-2006
- IFT Press Editorial Advisory Board, 2005-2007

- IFT Current and Emerging Science Issues Expert Advisory Panel, 2009
- IFT Nomination and Elections Committee, 2009-2013
- Phi Tau Sigma, 2011-present
- Editorial Board for Food Science Texts – Springer (in 2008-2009 for Springer; in 2001-2007 for Kluwer Academic Publishers; in 2000-2001 for Aspen Publishers)
- Editorial Board for Annual Review of Food Science and Technology, Annual Reviews, 2007-present
- Editorial Board for Food Analytical Methods, 2013-present
- NASA Advanced Life Support Program, Science and Technology Working Group, 1999-2002
- NASA Commercial Space Center, Iowa State Univ., Advisory Board, 2000-2005
- Food Chemicals Codex Committee, Institute of Medicine, National Academy of Sciences; Member, 1996-2005
- U.S. Pharmacopeia, Food Ingredient Expert Committee, 2007-2009
- Review Panel Member, USDA/CSREES, Dept. of Food Science and Technology. Univ. of Nebraska. April 9-12, 2001; October 1-5, 2007.
- Review of Curriculum Panel Member, Zamorano University, Tegucigalpa, Honduras, May 26-29, 2008.
- Review of Food Science Graduate Program, Texas A&M University, College Station, TX, April 2010.
- USDA Grant Panels, 2013
- Food Forum, Institute of Medicine of the National Academies, 2014 – present

C. **TEACHING: SUMMARY OF COURSES TAUGHT**

<u>Course</u>	<u>Title</u>	<u>Cr.</u>	<u>Years</u>
FS 467	Food Analysis	4	1984-2016
FS 610	Food Proteins	3	1985-2003 (alt. years)
FS 651/551	Food Analysis	1	1993-2016
FS 161	Science of Food	3	1999-2000
FS 591I	Food Inged. Tech.	1	1998, 2000
AG 118	FS Freshman Seminar	1	2003-2016
FS 298	FS Soph. Seminar	1	2003-2016
FS 482	FS Senior Seminar	1	2003-2016