

Curriculum Vitae

Shridhar K Sathe

March 19, 2013

General Information

University address: Nutrition, Food and Exercise Sciences
College of Human Sciences
Sandels Building 402
Florida State University
Tallahassee, Florida 32306-1493
Phone: (850) 644-5837; Fax: (850) 645-5000

E-mail address: ssathe@fsu.edu

Professional Preparation

- 1982 Ph.D., Utah State University, Logan, Utah. Major: Nutrition and Food Science.
- 1977 M.S., University of Bombay, Bombay, India. Major: Food Technology.
- 1974 B.S. (Honors), University of Bombay, Bombay, India. Major: Food Technology.
- 1971 B.S. (Honors), University of Bombay, Bombay, India. Major: Chemistry.

Professional Experience

- 1997–present Professor, Nutrition, Food and Exercise Sciences, Florida State University.
- 1991–1997 Associate Professor, Department of Nutrition, Food, and Movement Sciences, Florida State University.
- 1988–1991 Assistant Professor, Department of Nutrition, Food, and Movement Sciences, Florida State University.
- 1988 Visiting Assistant Professor, Department of Nutrition and Food Science, Florida State University.
- 1988 Post Doctoral Research Associate, Department of Botany and Plant Pathology, Perdue University.

- 1986–1987 Post Doctoral Research Associate, Department of Foods and Nutrition, Perdue University.
- 1983–1985 Research Associate, Department of Nutrition and Food Science, University of Arizona.
- 1981–1983 American Heart Association (Arizona Affiliate) Post Doctoral Fellow, Department of Nutrition and Food Science, University of Arizona.
- 1977–1981 Graduate Research Assistant, Department of Nutrition and Food Sciences, Utah State University.
- 1976–1977 Consultant to Navarang Textiles, Bombay, India.
- 1976–1977 Associate Lector, Food Technology, University of Bombay.
- 1974–1976 Junior Research Fellow, Food Technology, University of Bombay.
- 1973 Trainee Food Technologist, Parle Products, Pvt. Ltd.

Honors, Awards, and Prizes

Faculty Recognition by the Guardian of the Flame, The Florida State University (2010).
Undergraduate Teaching Excellence Award, The Florida State University (2009).
Distinguished Research Professor, The Florida State University (2007).
Listed in Leading Scientists of the World, International Biographical Centre, Cambridge, England (2005).
Listed in Who's Who in America's Teachers (2005).
Outstanding Volunteer of the Year, Food Chemistry Division of the Institute of Food Technologists (2005).
Division Lecturer Award, Food Chemistry Division of the IFT (2004).
Elected Fellow, World Innovation Foundation, United Kingdom (2004).
Elected Fellow, IFT (2004).
Golden Jubilee Visiting Fellowship, University of Mumbai, India (2004).
Listed in Who's Who in America's Teachers (2004).
University Advising Award, The Florida State University (2004).
Distinguished Teaching Professor, The Florida State University (2003).
Listed in Marquis Who's Who in Science (2002).
One of only six highly cited authors, in all fields, FSU (2002).
Selected as Named Professor, The Florida State University (2002).
Selected as one of the 112 Most Highly Cited Researchers in Agricultural Sciences on a Worldwide basis, The Institute of Scientific Information (ISI), Philadelphia, PA (2002).
Teaching Incentive Program (TIP) Award, The Florida State University (1998).
Undergraduate Teaching Excellence Award, The Florida State University (1997).
Listed in American Men and Women of Science (1992).

Post Doctoral Research Fellowship, American Heart Association (Arizona Affiliate) (1983).
Sigma Xi Grant-in-Aid of Research Award (1981).
R. D. Sethna Trust & R. H. Patuck Trust Scholarships (1978).
Travel Grant from the International Council for the Development of Underutilized Plants to present a research paper at the 2nd International Winged Bean Seminar, Colombo, Sri Lanka (1978).
University Grants Commission Junior Research Fellowship (1976).
Phadke Trust Scholarship and Mahalaxmi Trust Scholarship (1974).
Government of India National Merit Scholarship (1971).
Several awards, scholarships, and tuition waivers (1967).

Current Membership in Professional Organizations

American Chemical Society
American Oil Chemists' Society
Institute of Food Technologists
Sigma Xi

Teaching

Courses Taught

Food Preservation (FOS5424)
Food Science (FOS4114-C)
Special Topics in Nutrition (HUN5938)
Selected Topics in Food Science and Technology (FOS5936)
Advanced Topics (PET6931)
Food and Society (HUN2125)
Research Design and Methodology (HUN5802)
Research Design and Methodology Laboratory (HUN5802-L)
Tutorial in Nutrition (HUN4914)
Advances in Nutrition and Food Science (HUN6248)
Food and Nutrition Seminar (HUN6930)
Seminar in Food and Nutrition Sciences (FOS6930)
Seminar in Movement Sciences (PET6930)
Seminar in Food and Nutrition Sciences (FOS5930)
The Science of Nutrition (HUN1201)
Food and Nutrition Seminar (HUN5930)

Doctoral Committee Chair

Su, M., graduate. (2012).
Sharma, G. M., graduate. (2010).

Kshirsagar, H., graduate. (2009).
Venkatachalam, M., graduate. (2004).
Liu, C., doctoral student.

Doctoral Committee Member

Ofori, J., graduate. (2011).
Corniola, R. S., graduate. (2010).
Rao, Q., graduate. (2009).

Doctoral Committee University Representative

Allmon, S. D., graduate. (2010).
Tawde, P., graduate. (2008).
Willison, L. N., doctoral candidate.
Ogden, P. B., doctoral student.

Master's Committee Chair

Joshi, A., graduate. (2012).
Farmer, T. E., graduate. (2011).
Jayasena, S. H., graduate. (2011).
Ahrens, S. E., graduate. (2004).
Tiwari, R., graduate. (2004).
Jones, M. S., graduate. (2002).
Gupta, S., student.
Zhang, Y., student. (2012).

Master's Committee Member

Begetis, E. C., graduate. (2012).
Hou, C., graduate. (2011).
Feresin, R. G., graduate. (2011).
Gustafson, C. E., graduate. (2010).
Willison, L. N., graduate. (2009).
Melidor, B., graduate. (2008).
Corniola, R. S., graduate. (2007).
Hopewell, A. C., graduate. (2006).
Ofori, J., graduate. (2006).
Roman, M. L., graduate. (2005).
Kim, You-Jin, graduate. (2005).
Tawde, P., graduate. (2004).

Mallette, C. E., student.
Wang, Y., student.
Zhu, Y., student. (2012).

Research and Original Creative Work

Publications

Refereed Journal Articles

Sathe, S. K., Kshirsagar, H. H., & Sharma, G. M. (submitted). Solubilization, fractionation, and Electrophoretic characterization of Inca peanut (*Plukenetia volubilis* L.) proteins. *Plant Foods for Human Nutrition*. Manuscript submitted for publication.

Coccia, C., Darling, C. A., Rhem, M., Cui, M., & Sathe, S. K. (in press). Adolescent health, stress and life satisfaction: The paradox of indulgent parenting. *Stress and Health*.

Kshirsagar, H. H., Fajer, P., Sharma, G. M., Roux, K. H., & Sathe, S. K. (2011). Biochemical and spectroscopic characterization of almond and cashew nut seed 11S legumins, amandin and anacardein. *J. Agric. Food Chem*, 59(1), 386-393.

Sharma, G. M., Irsigler, A., Dhanarajan, P., Ayuso, R., Bardina, L., Sampson, H. A., Roux, K. H., & Sathe, S. K. (2011). Cloning and characterization of 2S albumin, Car i 1, a major allergen in pecan. *J. Agric. Food Chem*, 59(8), 4130-4139.

Sharma, G. M., Irsigler, A., Dhanarajan, P., Ayuso, R., Bardina, L., Sampson, H. A., Roux, K. H., & Sathe, S. K. (2011). Cloning and characterization of an 11S legumin, Car i 4, a major allergen in pecan. *J. Agric. Food Chem*, 59(17), 9542-9552.

Willison, L. N., Tripathi, P., Sharma, G. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2011). Cloning, expression, and patient IgE reactivity of recombinant Pru du 6, an 11S globulin from almond. *Intl. Arch. Allergy Immunol*, 156(3), 267-281.

Zhang, Q., Willison, L. N., Tripathi, P., Sathe, S. K., Roux, K. H., Emmett, M. R., Blakney, G. T., Zhang, H. M., & Marshall, A. G. (2011). Epitope mapping of a 95 kDa antigen in complex with antibody by solution-phase amide backbone hydrogen/deuterium exchange monitored by Fourier transform ion cyclotron resonance mass spectrometry. *Anal. Chem*, 83(18), 7129-7136.

Robotham, J. M., Xia, L., Willison, L. N., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2010). Characterization of a cashew allergen, 11S globulin (Ana o 2), conformational epitope. *Mol. Immunol*, 47(9), 1830-1838.

- Sharma, G. M., Mundoma, C., Seavy, M., Roux, K. H., & Sathe, S. K. (2010). Purification and biochemical characterization of Brazil nut (*Bertholletia excelsa* L.) seed storage proteins. *J. Agric. Food Chem*, *58*(9), 5714-5723.
- Sharma, G. M., Su, M., Joshi, A. U., Roux, K. H., & Sathe, S. K. (2010). Functional properties of select edible oilseed proteins. *J. Agric. Food Chem*, *58*(8), 5457-5464.
- Tiwari, R. S., Venkatachalam, M., Sharma, G. M., Su, M., Roux, K. H., & Sathe, S. K. (2010). Effect of food matrix on amandin, almond (*Prunus dulcis* L.) major protein, immunorecognition and recovery. *LWT-Food Science and Technology*, *43*(4), 675-683.
- Xia, L., Willison, L. N., Porter, L., Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2010). Mapping of a conformational epitope on the cashew allergen Ana o 2: a discontinuous large subunit epitope dependent upon homologous or heterologous small subunit association. *Mol. Immunol*, *47*(9), 1808-1816.
- Robotham, J. M., Hoffman, G. G., Teuber, S. S., Beyer, K., Sampson, H. A., Sathe, S. K., & Roux, K. H. (2009). Linear IgE-epitope mapping and comparative structural homology modeling of hazelnut and English walnut 11S globulins. *Mol. Immunology*, *46*(15), 2975-2984.
- Sathe, S. K., & Sharma, G. M. (2009). Effects of food processing on food allergens. *Mol. Nutr. Food Res*, *53*(8), 970-978.
- Sathe, S. K., Sharma, G. M., Krishsagar, H. H., Su, M., & Roux, K. H. (2009). Effects of long-term frozen storage on soybean (*Glycine max* L.) proteins. *J. Agric. Food Chem*, *57*(4), 1312-1318.
- Sathe, S. K., Venkatachalam, M., Sharma, G. M., Kshirsagar, H. H., Teuber, S. S., & Roux, K. H. (2009). Solubilization and Electrophoretic characterization of select edible nut seed proteins. *J. Agric. Food Chem*, *57*(17), 7848-7856.
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2009). A sensitive and robust competitive enzyme-linked immunosorbent assay for Brazil nut (*Bertholletia excelsa* L.) detection. *J. Agric. Food Chem*, *57*(2), 769-776.
- Comstock, S., Robotham, J. M., Tawde, P., Kshirsagar, H. H., Sathe, S. K., Roux, K. H., & Teuber, S. S. (2008). Immunoglobulin E-reactive proteins in cashew (*Anacardium occidentale*) apple juice concentrate. *J. Agric. Food Chem*, *56*(14), 5977-5982.
- Monaghan, E. K., Vankatachalam, M., Seavy, M., Beyer, K., Sampson, H. A., Roux, K. H., & Sathe, S. K. (2008). Enzyme linked immunosorbent assay (ELISA) for detection of sulfur-rich protein (SRP) in soybeans (*Glycine max* L.) and certain other edible plant seeds. *J. Agric. Food Chem*, *56*(3), 765-777.

- Rankins, J. R., Sathe, S. K., & Spicer, M. T. (2008). Solar drying of mangoes: Preservation of an important source of vitamin A in French-speaking West Africa. *J. Am. Diet. Assoc.*, *108*(6), 986-990.
- Sathe, S. K., Seeram, N. P., Kshirsagar, H. H., Heber, D., & Lampsley, K. A. (2008). Fatty acid composition of California grown almonds. *J. Food Sci.*, *73*(9), C607-C614.
- Venkatachalam, M., Monaghan, E. K., Kshirsagar, H. H., Robotham, J. M., O'Donnell, S. E., Gerber, M. S., Roux, K. H., & Sathe, S. K. (2008). Effects of processing on immunoreactivity of cashew nut (*Anacardium occidentale* L.) seed floud proteins. *J. Agric. Food Chem.*, *56*(19), 8998-9005.
- Venkatachalam, M., Roux, K. H., & Sathe, S. K. (2008). Biochemical characterization of soluble proteins in pecan [*Carya illinoensis* (Wangenh.) K. Koch]. *J. Agric. Food Chem.*, *56*(17), 8103-8110.
- Willison, L., Tawde, P., Robotham, J., Penny, R., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2008). Pistachio vicilin, Pis v 3, is IgE-reactive and cross-reacts with the homologous cashew allergen, Ana o I. *Clin. Exptl. Allergy*, *38*(7), 1229-1238.
- Sze, K. W. C., Kshirsagar, H. H., Venkatachalam, M., & Sathe, S. K. (2007). A circular dichroism (CD) and fluorescence spectrophotometric assessment of effects of selected chemical denaturants on soybean (*Glycine max* L.) storage proteins glycinin (11S) and beta-glycinin (7S). *J. Agric. Food Chem.*, *55*(21), 8745-8753.
- Vankatachalam, M., Thompson, T. E., Kshirsagar, H. H., Roux, K. H., & Sathe, S. K. (2007). Biochemical composition and immunological comparison of select pecan [*Carya illinoensis* (Wangenh.) K. Koch] cultivars. *J. Agric. Food Chem.*, *55*(24), 9899-9907.
- Venkatachalam, M., & Sathe, S. K. (2007). Val bean (*Lablab purpureus* L.) proteins: composition and nutritional properties. *J. Sci. Food Agric.*, *87*(8), 1539-1549.
- Sathe, S. K., & Venkatachalam, M. (2006). Moth bean (*Phaseolus accuritifolus* L.) proteins. *LWT-Food Science and Technology*, *40*(4), 600-610.
- Tawde, P., Venkatesh, Y. P., Wang, F., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2006). Cloning and characterization of profilin (Pru du 4), a cross-reactive almond (*Prunus dulcis*) allergen. *J. Allergy Clin Immunol.*, *118*, 915-922.
- Venkatachalam, M., & Sathe, S. K. (2006). Chemical composition of selected edible nuts. *J. Agric. Food Chem.*, *54*(13), 4705-4714.
- Venkatachalam, M., Teuber, S. S., Peterson, W. R., Roux, K. H., & Sathe, S. K. (2006). Antigenic stability of pecan [*Carya illinoensis* (Wangenh.) K. Koch]: Effects of thermal treatments and in vitro digestion. *J. Agric. Food Chem.*, *54*(4), 1449-1458.

- Ahrens, S. E., Venkatachalam, M., Mistry, A. M., Lapsley, K., & Sathe, S. K. (2005). Almond (*Prunus dulcis* L.) protein quality. *Plant Foods for Human Nutrition*, *60*(3), 123-128.
- Lee, S. H., Benmoussa, M., Sathe, S. K., Roux, K. H., Teuber, S. S., & Hamaker, B. R. (2005). A 50 kDa maize gamma-zein has marked cross-reactivity with almond major allergen. *J. Agric. Food Chem*, *53*(20), 7965-7970.
- Robotham, J. M., Wang, F., Seamon, V., Teuber, S. S., Sathe, S. K., Sampson, H. A., Beyer, K., Seavy, M., & Roux, K. H. (2005). Ana o 3, and important cashew nut (*Anacardium occidentale* L.) allergen of the 2S albumin family. *J. Allergy Clin. Immunol*, *115*(6), 1284-1290.
- Sathe, S. K., Kshirsagar, H. H., & Roux, K. H. (2005). Advances in seed protein research: a perspective on seed allergens. *J. Food Science*, *70*(6), R93-120.
- Sathe, S. K., Teuber, S. S., & Roux, K. H. (2005). Effects of food processing on the stability of food allergens. *Biotechnology Advances*, *23*(6), 423-429.
- Sathe, S. K., & Venkatachalam, M. (2004). Beans. *Encyclopedia of Grain Science*, Elsevier Publishing Co., St. Louis, MO, 76-86.
- Su, M., Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2004). Impact of gamma-irradiation and thermal processing on the antigenicity of almond, cashew nut, and walnut proteins. *J. Sci. Food Agric*, *84*(10), 1119-1125.
- Wallowitz, M. L., Comstock, S. S., Roux, K. H., Sathe, S. K., & Teuber, S. S. (2004). Walnut allergens. *Food Allergy and Intolerance*, *5*(3), 187-195.
- Roux, K. H., Sathe, S. K., & Teuber, S. S. (2003). Tree nut allergens. *Int. Arch. Allergy Immunol*, *131*(4), 234-244.
- Sathe, S. K., & Deshpande, S. S. (2003). Beans. *Encyclopaedia of Food Science and Technology*, Academic Press, London, U. K, 403-412.
- Teuber, S. S., Comstock, S. S., Sathe, S. K., & Roux, K. H. (2003). Tree nut allergy. *Current Allergy and Asthma Reports*, *3*(1), 54-61.
- Venkatachalam, M., & Sathe, S. K. (2003). Phaseolin in vitro digestibility: Role of acids and phenolic compounds. *J. Agric. Food. Chem*, *51*(11), 3466-3472.
- Wang, F., Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2003). Ana o 2, a major cashew nut (*Anacardium occidentale* L.) allergen of the legumin family. *Int. Arch. Allergy Immunol*, *132*(1), 27-39.
- Muguruma, M., Tsuruoka, K., Katayama, K., Erwanto, Y., Kawahara, S., Yamauchi, K., Sathe, S. K., & Soeda, T. (2002). Soybean and milk proteins modified by transglutaminase

- improves chicken sausage texture even at reduced levels of phosphate. *Meat Science*, 63(2), 191-197.
- Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2002). Linear IgE epitope mapping of the English walnut (*Juglans regia*) major food allergen, Jug r 1. *Allergy Clin. Immunol*, 109(1), 143-1149.
- Sathe, S. K. (2002). Dry bean protein functionality. *CRC Crit. Rev. Biotechnology*, 22(2), 175-223.
- Sathe, S. K., Hamaker, B., Sze-Tao, K. W. C., & Venkatachalam, M. (2002). Isolation, purification, and biochemical characterization of a novel water soluble protein from Inca peanut (*Pluhenetia volubilis* L.). *J. Agric. Food Chem*, 50(17), 4906-4908.
- Sathe, S. K., Wolf, W. J., Roux, K. H., Teuber, S. S., Venkatachalam, M., & Sze-Tao, K. W. C. (2002). Biochemical characterization of amandin, the major storage protein in almond (*Prunus dulcis* L.). *J. Agric. Food Chem*, 50(15), 4333-4341.
- Teuber, S. S., Sathe, S. K., Peterson, R., & Roux, K. H. (2002). Characterization of the soluble allergenic proteins of cashew nut (*Anacardium occidentale* L.). *J. Agric. Food Chem*, 50(22), 6543-6549.
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2002). Effects of roasting, autoclaving, and microwave heating on antigenicity of almond (*Prunus dulcis* L.) proteins. *J. Agric. Food Chem*, 50(12), 3544-3548.
- Wang, F., Robotham, J. M., Teuber, S. S., Tawde, P., Sathe, S. K., & Roux, K. H. (2002). Ana o 1, a cashew (*Anacardium occidentale*) allergen of the vicilin seed storage protein family. *J. Allergy Clin. Immunol*, 110(1), 160-166.
- Wei, Y., Sathe, S. K., Teuber, S. S., & Roux, K. H. (2002). A sensitive sandwich ELISA for the detection of trace amounts of cashew (*Anacardium occidentale* L.) nut in foods. *J. Agric. Food Chem*, 51(11), 3215-3221.
- Cottin, P., Thompson, V. F., Sathe, S. K., Szpacenko, A., & Goll, D. E. (2001). Autolysis of micro- and m-calpain from bovine skeletal muscle. *Biological Chemistry (Germany)*, 382(5), 767-776.
- Roux, K. H., Teuber, S. S., Robotham, J. M., & Sathe, S. K. (2001). Detection and stability of the major almond allergen in foods. *J. Agric. Food Chem*, 49(5), 2131-2136.
- Sathe, S. K., Teuber, S. S., Gradziel, T. M., & Roux, K. H. (2001). Electrophoretic and immunological analyses of almond (*Prunus dulcis* L.) genotypes and hybrids. *J. Agric. Food Chem*, 49(4), 2043-2052.

- Sze-Tao, K. W. C., & Sathe, S. K. (2001). Effects of sodium dodecyl sulfate, guanidine hydrochloride, urea, and heat on denaturation of sulfur rich protein in soybeans (*Glycine max* L.). *J. Food Biochem*, 25, 483-492.
- Sze-Tao, K. W. C., & Sathe, S. K. (2001). Effects of sodium dodecyl sulfate, guanidine hydrochloride, urea, and heat on denaturation of sulfur rich protein in soybeans (*Glycine max* L.). *J. Food Biochem*, 25(6), 483-492.
- Sze-Tao, K. W. C., Schrimpf, J. E., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2001). Effects of processing and storage on walnut (*Juglans regia* L.) tannins. *J. Sci. Food Agric*, 81, 1215-1222.
- Teuber, S. S., & Sathe, S. K. (2001). Allergenicity of peanut and tree nut oils. *Food Allergy and Intolerance*, 2(2), 105-118.
- Sze-Tao, K. W. C., & Sathe, S. K. (2000). Functional properties and in vitro digestibility of almond (*Prunus dulcis* L.) protein isolate. *Food Chem*, 69(2), 153-160.
- Sze-Tao, K. W. C., & Sathe, S. K. (2000). Walnuts (*Juglans regia* L.): Proximate composition, protein solubility, protein amino acid composition, and protein in vitro digestibility. *J. Sci. Food Agric*, 80(9), 1393-1401.
- Acosta, M. R., Roux, K. H., Teuber, S. S., & Sathe, S. K. (1999). Production and characterization of rabbit polyclonal antibodies to almond (*Prunus dulcis* L.) major storage protein. *J. Agric. Food Chem*, 47(10), 4053-4059.
- Wolf, W. J., & Sathe, S. K. (1998). Ultracentrifugal and polyacrylamide gel electrophoretic studies of extractability and stability of almond meal proteins. *J. Sci. Food Agric*, 78(4), 511-521.
- Renn, P. T., & Sathe, S. K. (1997). Effects of pH, temperature, and reactant molar ratio on L-leucine and D-glucose Maillard browning reaction in an aqueous system. *J. Agric. Food Chem*, 45(10), 3782-3787.
- Sathe, S. K., & Sze, K. W. C. (1997). Thermal aggregation of almond protein isolate. *Food Chem*, 59(1), 95-99.
- Sathe, S. K., & Sze-Tao, K. W. C. (1997). Effects of sodium chloride, phytate, and tannin on in vitro proteolysis of phaseolin. *Food Chem*, 59(2), 253-259.
- Sathe, S. K., Sze-Tao, K. W. C., Wolf, W. J., & Hamaker, B. R. (1997). Biochemical characterization and in vitro digestibility of the major globulin in cashew nut (*Anacardium occidentale*). *J. Agric. Food Chem*, 45(8), 2854-2860.

- Anderson, E., Sze, K. W. C., & Sathe, S. K. (1995). A new colorimetric method for the detection and quantitation of proteolytic enzyme activity. *J. Agric. Food Chem*, 43(6), 1530-1534.
- Stenson, D. F., & Sathe, S. K. (1995). Characterization and digestibility of Basmati rice (*Oryza sativa* L. var Dehraduni) storage proteins. *Cereal Chem*, 72(3), 275-280.
- Sathe, S. K. (1994). Purification and biochemical characterization of tepary bean (*Phaseolus acutifolius*) major globulin. *Food Chem*, 50(3), 261-266.
- Sathe, S. K. (1994). Solubilization and electrophoretic characterization of cashew nut (*Anacardium occidentale*) proteins. *Food Chem*, 51(3), 319-324.
- Sathe, S. K. (1993). Solubilization, electrophoretic characterization, and in vitro digestibility of almond (*Prunus amygdalas*) proteins. *J. Food Biochemistry*, 16(4), 249-264.
- Sathe, S. K., & Deshpande, S. S. (1993). Beans (*Phaseolus* spp.): The crops and their importance. *Encyclopedia of Food Science, Food Technology and Nutrition, Academic Press Ltd., London, U. K, 1*, 317-322.
- Idouraine, A., Sathe, S. K., & Weber, C. W. (1992). Biological evaluation of flour and protein extract of tepary bean (*Phaseolus acutifolius* L.). *J. Agric. Food Chem*, 40(11), 1856-1859.
- Idouraine, A., Weber, C. W., Sathe, S. K., & Kohlepp, E. A. (1992). Antinutritional factors in protein extract of tepary bean (*Phaseolus acutifolius* L.). *J. Food Chem*, 45, 37-39.
- Sathe, S. K., Mason, A. C., Rodibaugh, R., & Weaver, C. M. (1992). Chemical form of selenium in soybeans (*Glycine max* L.): Lectin. *J. Agric. Food Chem*, 40(11), 2084-2091.
- Sathe, S. K., Mason, A. C., & Weaver, C. M. (1992). Some properties of a selenium incorporating sulfur rich protein in soybeans (*Glycine max* L.). *J. Agric. Food Chem*, 40(11), 2077-2083.
- Edmunds, T., Nagainis, P. A., Sathe, S. K., Thompson, V. F., & Goll, D. E. (1991). Comparison of the autolyzed and unautolyzed forms of micro- and m-calpain from bovine skeletal muscle. *Biochim. Biophys. Acta*, 1077(2), 197-208.
- Sathe, S. K. (1991). Isolation and characterization of the protein that co-purifies with soybean (*Glycine max* L.) glycinin. *J. Food Biochem*, 15(1), 33-49.
- Khan, A., Weaver, C. M., & Sathe, S. K. (1990). Association of zinc with soy proteins as affected by heat and pH. *J. Food Sci*, 55(1), 263-264, 266.
- Sathe, S. K., Mason, A. C., & Weaver, C. M. (1989). Thermal aggregation of soybean (*Glycine max* L.) sulfur rich protein. *J. Food Sci*, 54(2), 319-323, 342.

- Wolf, F. H., Sathe, S. K., Goll, D. E., Kleese, W. C., Edmunds, T., & Duperret, C. M. (1989). Chicken skeletal muscle has three Ca²⁺ dependent proteinases. *Biochim. Biophys. Acta*, *998*(3), 236-250.
- Nagainis, P. A., Wolfe, F. H., Sathe, S. K., & Goll, D. E. (1988). Autolysis of the millimolar Ca²⁺ dependent proteinase from chicken skeletal muscle. *Biochemistry and Cell Biology*, *66*(1), 1023-1031.
- Reddy, N. R., Sathe, S. K., & Pierson, M. D. (1988). Removal of phytate from Great Northern beans (*Phaseolus vulgaris* L.) and its combined density fraction. *J. Food Sci*, *53*(1), 107-110, 147.
- Sathe, S. K., Lilley, G. G., Mason, A. C., & Weaver, C. M. (1987). High resolution sodium dodecyl sulfate polyacrylamide gel electrophoresis of soybean (*Glycine max* L.) proteins. *Cereal Chem*, *64*(6), 380-384.
- Deshpande, S. S., Cheryan, M., Sathe, S. K., & Salunkhe, D. K. (1984). Freeze concentration of fruit juices. *CRC Crit. Rev. Food Sci. Nutr*, *20*(3), 173-248.
- Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1984). Dry beans of *Phaseolus*: A review. Part 3. *CRC Crit. Rev. Food Sci. Nutr*, *21*(3), 263-287.
- Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1984). Interrelationships between certain physical and chemical properties of dry bean (*Phaseolus vulgaris* L.). *Qual. Plant. Plant Foods Hum. Nutr*, *34*(1), 53-65.
- Reddy, N. P., Pierson, M. D., Sathe, S. K., & Salunkhe, D. K. (1984). Chemical, nutritional, and physiological aspects of dry bean carbohydrates. *Food Chem*, *13*(1), 25-68.
- Reddy, N. R., Pierson, M. D., Sathe, S. K., & Salunkhe, D. K. (1984). Dry bean tannins: A review of nutritional implications. *J. Amer. Oil Chem. Soc*, *62*(3), 541-549.
- Sathe, S. K., Deshpande, S. S., & Salunkhe, D. K. (1984). Dry beans of *Phaseolus*: A review. Part 1. Chemical composition. Proteins. *CRC Crit. Rev. Food Sci. Nutr*, *20*(1), 1-46.
- Sathe, S. K., Deshpande, S. S., & Salunkhe, D. K. (1984). Dry beans of *Phaseolus*: A review. Part 2. Chemical composition. Carbohydrates, fiber, minerals, vitamins, and lipids. *CRC Crit. Rev. Food Sci. Nutr*, *21*(1), 41-93.
- Sathe, S. K., & Salunkhe, D. K. (1984). Technology of removal of unwanted components of dry beans. *CRC Crit. Rev. Food Sci. Nutr*, *21*(3), 263-287.
- Deshpande, S. S., Rangnekar, P. D., Sathe, S. K., & Salunkhe, D. K. (1983). Functional properties of wheat-bean composite flours. *J. Food Sci*, *48*(6), 1659-1662.

- Deshpande, S. S., Sathe, S. K., & Cheryan, M. (1983). In vitro proteolytic digestibility of dry bean (*Phaseolus vulgaris* L.) protein concentrates. *Nutr. Rep. Intl*, 27(5), 931-936.
- Goll, D. E., Otsuka, Y., Nagainis, P. A., Shannon, J. D., Sathe, S. K., & Muguruma, M. (1983). Role of muscle proteinases in maintenance of muscle integrity and mass. *J. Food Biochem*, 7(3), 137-177.
- Sathe, S. K., Deshpande, S. S., Reddy, N. R., Goll, D. E., & Salunkhe, D. K. (1983). Effects of germination on proteins, raffinose oligosaccharides, and antinutritional factors in the Great Northern beans (*Phaseolus vulgaris* L.). *J. Food Sci*, 48(6), 1796-1800.
- Sathe, S. K., Deshpande, S. S., & Salunkhe, D. K. (1983). Functional properties of black gram (*Phaseolus mungo* L.) proteins. *Lebensm. Wiss-U. Technol*, 16(2), 69-72.
- Deshpande, S. S., Sathe, S. K., Cornforth, D. P., & Salunkhe, D. K. (1982). Effects of dehulling on certain antinutritional factors of dry beans (*Phaseolus vulgaris* L.). *J. Food Sci*, 47(6), 1846-1850.
- Deshpande, S. S., Sathe, S. K., Rangnekar, P. D., & Salunkhe, D. K. (1982). Modification and functional properties of black gram (*Phaseolus mungo* L.) starch. *J. Food Sci*, 47(5), 1528-1533, 1602.
- Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1982). Effects of dehulling on functional properties of dry bean (*Phaseolus vulgaris* L.) flours. *Cereal Chem*, 59(5), 396-401.
- Goll, D. E., Otsuka, Y., Nagainis, P. A., Sathe, S. K., Shannon, J. D., & Muguruma, M. (1982). Muscle proteinases and their possible role in muscle growth and meat texture. *Biochem. Soc. Trans*, 10(4), 280-282.
- Pattee, H. E., Salunkhe, D. K., Sathe, S. K., & Reddy, N. R. (1982). Legume lipids. *CRC Crit. Rev. Food Sci. Nutr*, 17(2), 970139.
- Reddy, N. P., Pierson, M. D., Sathe, S. K., & Salunkhe, D. K. (1982). Legume-based fermented foods: Their nutritional quality. *CRC Crit. Rev. Nutr. Food Sci*, 17(4), 335-370.
- Reddy, N. P., Salunkhe, D. K., & Sathe, S. K. (1982). Biochemistry of black gram (*Phaseolus mungo* L.): A review. *CRC Crit. Rev. Food Sci. Nutr*, 16(1), 49-114.
- Reddy, N. P., Sathe, S. K., & Salunkhe, D. K. (1982). Phytates in legumes and cereals. *Adv. Food Res*, 28, 1-92.
- Sathe, S. K., Deshpande, S. S., & Salunkhe, D. K. (1982). Functional properties of lupin seed (*Lupinus mutabilis* L.) proteins. *J. Food Sci*, 47(2), 491-497, 502.

- Sathe, S. K., Deshpande, S. S., & Salunkhe, D. K. (1982). Functional properties of winged bean [*Psophocarpus tetragonolobus* L., (DC)] proteins. *J. Food Sci*, 47(2), 503-509.
- Sathe, S. K., Iyer, V., & Salunkhe, D. K. (1982). Functional properties of the Great Northern bean (*Phaseolus vulgaris* L.) proteins: Amino acid composition, in vitro digestibility, and application to cookies. *J. Food Sci*, 47(1), 8-11, 15.
- Sathe, S. K., Rangnekar, P. D., Deshpande, S. S., & Salunkhe, D. K. (1982). Isolation and partial characterization of black gram (*Phaseolus mungo* L.) starch. *J. Food Sci*, 47(5), 1524-1527, 1538.
- Reddy, N. P., Sathe, S. K., Pierson, M. D., & Salunkhe, D. K. (1981). Idli, an Indian fermented food: A review. *J. Food Quality*, 5(2), 89-101.
- Sathe, S. K., Ponte, J. G., Jr., Rangnekar, P. D., & Salunkhe, D. K. (1981). Effects of addition of the Great Northern bean (*Phaseolus vulgaris* L.) flour and protein concentrates on rheological properties of dough and baking quality of bread. *Cereal Chem*, 58(2), 97-100.
- Sathe, S. K., & Salunkhe, D. K. (1981). Fermentation of the Great Northern bean (*Phaseolus vulgaris* L.) and rice blends. *J. Food Sci*, 46(5), 1374-1378, 1393.
- Sathe, S. K., & Salunkhe, D. K. (1981). Functional properties of the Great Northern bean (*Phaseolus vulgaris* L.) proteins: Emulsion, foaming, viscosity, and gelation properties. *J. Food Sci*, 46(1), 71-74, 81.
- Sathe, S. K., & Salunkhe, D. K. (1981). Functional properties of the Great Northern bean (*Phaseolus vulgaris* L.) proteins: Sorption, buffer, ultra-violet, dielectric, and adhesive properties. *J. Food Sci*, 46(6), 1910-1913.
- Sathe, S. K., & Salunkhe, D. K. (1981). Investigations on winged bean [*Psophocarpus tetragonolobus* L. (DC)] proteins and antinutritional factors. *J. Food Sci*, 46(5), 1389-1393.
- Sathe, S. K., & Salunkhe, D. K. (1981). Isolation and partial characterization of an arabinogalactan from the Great Northern bean (*Phaseolus vulgaris* L.). *J. Food Sci*, 46(4), 1276-1277.
- Sathe, S. K., & Salunkhe, D. K. (1981). Isolation, partial characterization, and modification of the Great Northern bean (*Phaseolus vulgaris* L.) starch. *J. Food Sci*, 46(2), 617-621.
- Sathe, S. K., & Salunkhe, D. K. (1981). Preparation and utilization of protein concentrates and isolates for nutritional and functional improvement of foods. *J. Food Quality*, 4(4), 233-245.

- Sathe, S. K., & Salunkhe, D. K. (1981). Solubilization and electrophoretic characterization of the Great Northern bean (*Phaseolus vulgaris* L.) proteins. *J. Food Sci*, 46(1), 82-87.
- Sathe, S. K., & Salunkhe, D. K. (1981). Solubilization of California small white bean (*Phaseolus vulgaris* L.) proteins. *J. Food Sci*, 46(3), 952-953.
- Sathe, S. K., & Salunkhe, D. K. (1981). Studies on trypsin and chymotrypsin inhibitory activities, hemagglutinating activity, and sugars in the Great Northern bean (*Phaseolus vulgaris* L.). *J. Food Sci*, 46(2), 626-629.
- Sathe, S. K., Tamhane, D. V., & Salunkhe, D. K. (1981). Studies in saltine crackers (Khara biscuits). I. Composition and certain physicochemical changes during baking. *Cereal Foods World*, 26(8), 404-406.
- Sathe, S. K., Tamhane, D. V., & Salunkhe, D. K. (1981). Studies in saltine crackers (Khara biscuits). II. Protein enrichment and storage stability. *Cereal Foods World*, 26(8), 407-409.
- SatheIyer, V., S. K., & Salunkhe, D. K. (1981). Investigations of the Great Northern bean (*Phaseolus vulgaris* L.) starch: Solubility, swelling, interaction with free fatty acids, and alkaline water retention capacity of blends with wheat flours. *J. Food Sci*, 46(6), 1914-1917.
- Iyer, V., Salunkhe, D. K., Sathe, S. K., & Rockland, L. B. (1980). Quick-cooking beans (*Phaseolus vulgaris* L.). *Qual. Plant Plant Foods Hum. Nutr*, 30:45-52, 27-43, 45-52.
- Iyer, V., Salunkhe, D. K., Sathe, S. K., & Rockland, L. B. (1980). Quick-cooking beans (*Phaseolus vulgaris* L.). I. Investigations on quality. *Qual. Plant. Plant Foods Hum. Nutr*, 30(1), 27-43.
- Iyer, V., Salunkhe, D. K., Sathe, S. K., & Rockland, L. B. (1980). Quick-cooking beans (*Phaseolus vulgaris* L.). II. Phytates, oligosaccharides, and antienzymes. *Qual. Plant. Plant Foods Hum. Nutr*, 30(1), 45-52.

Refereed Reviews

- Sathe, S. K. (2003). Book Review of "The New Chemistry". *Food Biochemistry*, 27 (1), 86-88.
- Sathe, S. K. (2002). Book review of "Essentials of Functional Foods". *Food Biochemistry*, 26 (2), 388-389.
- Sathe, S. K. (1999). Book review of "Process-Induced Chemical Changes in Food, Advances in Experimental Medicine, and Biology Volume 434". *Food Biochemistry*, 23 (2), 242-243.

- Sathe, S. K. (1992). Book review of "Interactions of Food Proteins". *Food Technol*, 46 (5), 314-315.
- Sathe, S. K. (1991). Book review of "Advances in Cereal Science and Technology" Vol X. *Food Quality*, 4 (2), 185.
- Sathe, S. K., & Salunkhe, D. K. (1981). Book Review of "Food Chains and Human Nutrition". *Food Technol*, 35 (8), 755.
- Sathe, S. K., & Salunkhe, D. K. (1980). Book Review of "Applied Protein Chemistry". *Food Technol*, 34 (9), 105.
- Sathe, S. K., & Salunkhe, D. K. (1980). Book review of "Food Industries". *Food Technol*, 34 (5), 218.
- Sathe, S. K., & Salunkhe, D. K. (1979). Book review of "Global Malnutrition and Cereal Fortification". *Food Technol*, 33 (2), 94.

Nonrefereed Books

- Reddy, N. R., & Sathe, S. K. (2001). *Food Phytates*. CRC Press, Inc., Boca Raton, FL.
- Reddy, N. R., Pierson, M. D., Sathe, S. K., & Salunkhe, D. K. (1989). *Phytates in Cereals and Legumes*. CRC Press, Inc., Boca Raton, FL.

Nonrefereed Book Chapters

- Sathe, S. K. (submitted). *Chemistry and Implications of Anti-Nutritional Factors in Dry Beans*. Manuscript submitted for publication.
- Sathe, S. K. (2011). Protein solubility and functionality. In N. S. Hettiarachchy, Sato K. Kenji, & M. R. Marshall (Eds.), *Food Proteins and Peptides: Chemistry, Functionality, Interactions, and Commercialization*. Taylor and Francis, New York, NY.
- Sathe, S. K., Monaghan, E. K., Kshirsagar, H. H., & Venkatachalam, M. (2009). Chemical composition of edible nut seeds and its implications in human health. In C. Alasalavar, & F. Shahidi (Eds.), *Tree Nuts: Composition, Phytochemicals, and Health Effects* (pp. 11-35). CRC Press, Taylor and Francis Group, Boca Raton, FL.
- Sathe, S. K., Sharma, G. M., & Roux, K. H. (2009). Tree nut allergens. In C. Alasalavar, & F. Shahidi (Eds.), *Tree Nuts: Composition, Phytochemicals, and Health Effects* (pp. 65-83). Taylor and Francis, Boca Raton, FL.

- Maleki, S. J., & Sathe, S. K. (2006). The Effects of Processing Methods on Allergenic Properties of Food Proteins. In S. J. Maleki, A. W. Burks, & R. M. Helm (Eds.), *Food Allergy* (pp. 309-322). American Society for Microbiology, Washington, D. C.
- Sathe, S. K., & Venkatachalam, M. (2006). Phytates. In Y. H. Hui (Ed.), *Handbook of Food Science, Technology, and Engineering, Vol. 2* (pp. 95-195-6). CRC Taylor & Francis Group, Boca Raton, FL.
- Sathe, S. K. (2002). Protein functionality. In *Innovative Food Ingredients* (pp. 50-53). Business Briefing, England.
- Sathe, S. K., & Reddy, N. R. (2001). Introduction (Chapter 1). In N. R. Reddy, & S. K. Sathe (Eds.), *Food Phytates* (pp. 1-5). CRC Press, Inc., Boca Raton, FL.
- Adsule, R. N., Deshpande, S. S., & Sathe, S. K. (1998). French Bean. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of Vegetable Science and Technology: Production, Composition, Storage, and Processing* (pp. 457-469). Marcel Dekker, Inc., New York, NY.
- Sathe, S. K. (1996). The nutritional value of selected Asiatic pulses: chickpea, black gram, mung bean, and pigeon pea. In E. Nwokolo, & J. Smartt (Eds.), *Food and Feed from Legumes and Oilseeds* (pp. 12-32). Chapman & Hall, London, U. K.
- Deshpande, S. S., Sathe, S. K., & Kadam, S. S. (1995). Other nuts. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of Fruit Science and Technology* (pp. 523-537). Marcel Dekker, Inc., New York, NY.
- Deshpande, S. S., & Sathe, S. K. (1991). Toxicants in plants. In R. P. Sharma, & D. K. Salunkhe (Eds.), *Mycotoxins and Phytoalexins* (pp. 671-730). CRC Press, Inc., Boca Raton, FL.
- Reddy, N. R., Sathe, S. K., & Salunkhe, D. K. (1989). Carbohydrates. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. I* (pp. 51-74). CRC Press, Inc., Boca Raton, FL.
- Reddy, N. R., Sathe, S. K., & Salunkhe, D. K. (1989). Phytates. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. I* (pp. 163-187). CRC Press Inc., Boca Raton, FL.
- Salunkhe, D. K., Sathe, S. K., & Deshpande, S. S. (1989). French Bean. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. II* (pp. 23-63). CRC Press, Inc., Boca Raton, FL.
- Salunkhe, D. K., Sathe, S. K., & Reddy, N. R. (1989). Lipids. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. I* (pp. 99-116). CRC Press, Inc., Boca Raton, FL.

- Sathe, S. K., Rangnekar, P. D., & Salunkhe, D. K. (1989). Processing into Protein Concentrations and Isolates. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. III* (pp. 227-236). CRC Press, Inc., Boca Raton, FL.
- Sathe, S. K., & Salunkhe, D. K. (1989). Technology of Removal of Unwanted Components of Food Legumes. In D. K. Salunkhe, & S. S. Kadam (Eds.), *Handbook of World Food Legumes: Nutritional Chemistry, Processing Technology, and Utilization, Vol. III* (pp. 249-270). CRC Press, Inc., Boca Raton, FL.
- Mason, A. C., Sathe, S. K., Rodibaugh, R., & Weaver, C. M. (1988). Identification of selenium containing proteins from soybeans. In L. S. Hurley, C. L. Keen, B. Lonnerdal, & R. B. Rucker (Eds.), *Trace Elements in Man and Animals, Vol. 6* (pp. 335-336). Plenum Press, New York, NY.
- Sathe, S. K., Reddy, N. R., & Pierson, M. D. (1986). Future of legume-based fermented foods. In N. R. Reddy, M. D. Pierson, & D. K. Salunkhe (Eds.), *Legume Based Fermented Foods* (pp. 233-235). CRC Press, Inc., Boca Raton, FL.
- Goll, D. E., Edmunds, T., Kleese, W. C., Sathe, S. K., & Shannon, J. D. (1985). Some properties of Ca²⁺ dependent proteinase. In E. Khairallah, J. S. Bond, & J. W. C. Bird (Eds.), *Intracellular Protein Catabolism* (pp. 151-164). Alan R. Liss, Inc., New York, NY.
- Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1984). Chemistry and safety of plant polyphenols. In M. Friedman (Ed.), *Nutritional and Toxicological Aspects of Food Safety* (pp. 452-495). Plenum Press, New York, NY.
- Goll, D. E., Shannon, J. D., Edmunds, T., Sathe, S. K., Kleese, W. C., & Nagainis, P. A. (1983). Properties and regulation of the Ca²⁺ dependent proteinase. In E. Carafoli, & B. deBernard (Eds.), *Calcium Binding Proteins in Health and Disease* (pp. 19-35). Elsevier/North Holland Biomedical Press, Amsterdam.
- Salunkhe, D. K., Sathe, S. K., & Reddy, N. R. (1982). Legume Lipids. In S. K. Arora (Ed.), *Chemistry and Biochemistry of Legumes* (pp. 51-109). Oxford and IBH Publishing Co., New Delhi.
- Salunkhe, D. K., Sathe, S. K., & Ernstrom, C. A. (1980). Food Storage: How good? How long? In *Utah Science 41(1)* (pp. 98-103). Utah.

Presentations

Invited Keynote and Plenary Presentations at Conferences

Sathe, S. K. (presented 2009, April). *Food allergen absorption*. Plenary presentation at The Conference of Food Engineering (CoFE), Ohio State University, Columbus, OH. (National)

Sathe, S. K. (presented 2006, June). *Food processing review*. Plenary presentation at Assessing the Effect of Food Processing on Allergenic Potential Workshop, ILSI Health and Environmental Sciences Institute (HESI), ILSI Research Foundation, ILSI International Food Biotechnology Committee (IFBiC), ILSI Europe, Estoril Eden Hotel, Estoril, Portugal. (International)

Invited Presentations at Conferences

Sathe, S. K. (presented 2011). *Thermal and nonthermal methods for controlling food allergens*. Presentation at The 71st Annual Meeting, Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., Roux, K. H., Tripathi, P., & Willison, L. N. (presented 2011). *Methods for epitope mapping using monoclonal antibodies*. Presentation at BIT 3rd Annual, International Congress on Antibodies, Beijing, China. (International)

Sathe, S. K., & Salunkhe, D. K. (presented 2011). *Functional properties of the Great Northern bean (*Phaseolus vulgaris L.*) proteins*. Presentation at The 40th Annual Meeting, Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., & Salunkhe, D. K. (presented 2011). *Isolation, partial characterization, and modification of the Great Northern bean (*Phaseolus vulgaris L.*) starch*. Presentation at The 40th Annual Meeting, Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., Su, M., & Roux, K. H. (presented 2011). *Biochemical and immunochemical properties of amandin from almond nut*. Presentation at The 71st Annual Meeting, Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., Su, M., & Roux, K. H. (presented 2011). *Mouse monoclonal antibody (mAb) based cocktail ELISA for sensitive, specific and robust detection of almond (*Prunus dulcis L.*) major protein amandin*. Presentation at The 71st Annual Meeting, Institute of Food Technologists, New Orleans, LA. (National)

- Sathe, S. K., Dhole, B., & Roux, K. H. (presented 2010). *Comparative protein analysis of the four chestnut species*. Presentation at The 70th Annual Meeting, Institute of Food Technologists, Chicago, IL. (International)
- Sathe, S. K., Dhole, B., Roux, K. H., Sharma, G. M., Ayuso, R., Bardina, L., & Sampson, H. A. (presented 2010). *Linear IgE epitope mapping and homology modeling of Car i 1, a 2S albumin allergen in pecan [Carya illinoensis (Wangenh.) K. Koch]*. Presentation at The 70th Annual Meeting, Institute of Food Technologists, Chicago, IL. (International)
- Sathe, S. K., Dhole, B., Roux, K. H., Sharma, G. M., Ayuso, R., Bardina, L., & Sampson, H. A. (presented 2010). *Linear IgE epitope mapping of Car i 4, an 11S legumin allergen in pecan [Carya illinoensis (Wangenh.) K. Koch] nut seed*. Presentation at The 70th Annual Meeting, Institute of Food Technologists, Chicago, IL. (International)
- Sathe, S. K., Kshirsagar, H. H., & Roux, K. H. (presented 2010). *Biochemical characterization of amandin and acardein 11S globulin isoforms*. Presentation at The 70th Annual Meeting, Institute of Food Technologists, Chicago, IL. (International)
- Sathe, S. K., Sharma, G. M., & Roux, K. H. (presented 2010). *Black gram (Phaseolus mungo L.) phaseolin exhibits homology with jack bean and mung bean vicilins*. Poster presentation at The 15th International, Conference of the International Union of Food Science and Technology, Cape Town, South Africa. (International)
- Sathe, S. K., Sharma, G. M., & Roux, K. H. (presented 2010). *Identification of Brazil nut 7S vicilin as a major allergen*. Poster presentation at The 15th International, Conference of the International Union of Food Science and Technology, Cape Town, South Africa. (International)
- Sathe, S. K., Sharma, G. M., Roux, K. H., & Venkatachalam, M. (presented 2010). *Identification of an antigenic seed storage protein, a 7S vicilin, in pecan (Carya Illinois) nut*. Poster presentation at The 15th International, Conference of the International Union of Food Science and Technology, Cape Town, South Africa. (International)
- Sathe, S. K., Su, M., Roux, K. H., & Willison, L. (presented 2010). *Mouse monoclonal antibody (mAb) based enzyme linked immunosorbent assay (ELISA) for sensitive, specific, and robust detection of almond (Prunus dulcis L.)*. Presentation at The 70th Annual Meeting, Institute of Food Technologists, Chicago, IL. (International)
- Sathe, S. K., Willison, L. N., Kshirsagar, H. H., Su, M., Sharma, G. M., Teuber, S. K., & Roux, K. H. (presented 2010). *Biochemical and immunological properties of amandin, a major allergenic storage protein in almond (Prunus dulcis L.) seeds*. Presentation at The 2nd International Conference, Natural Polymers and Biomaterials, Kottayam, Kerala State, India. (International)

Sathe, S. K., Willison, L. N., Roux, K. H., & Tripathi, P. (presented 2010). *Biochemical and immunochemical properties of amandin*. Presentation at the meeting of Frontiers in Food Allergen Risk Assessment, Hotel le Meridien, Nice, France. (National)

Invited Lectures and Readings of Original Work

Su, M., Gradziel, T., Venkatachalam, M., Roux, K. H., Lapsley, K., & Sathe, S. K. (2012, June). *Effects of genotype, hybrid, variety, and growing conditions on the detection of almond (Prunus dulcis L.) using a sensitive and specific murine monoclonal antibody based enzyme linked immunoassay (ELISA)*. Delivered at USDA PD Meeting, Las Vegas, NV. (National)

Su, M., Gradziel, T., Venkatachalam, M., Roux, K. H., Lapsley, K., & Sathe, S. K. (2012, June). *Effects of genotype, hybrid, variety, and growing conditions on the detection of almond (Prunus dulcis L.) using a sensitive and specific murine monoclonal antibody based enzyme linked immunoassay (ELISA)*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Su, M., Roux, K. H., Venkatachalam, M., & Sathe, S. K. (2012, June). *Effects of lipids on the detection of almond (Prunus dulcis L.) using a sensitive and specific murine monoclonal antibody (mAb) based sandwich enzyme-linked immunosorbent assay (ELISA)*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Su, M., Roux, K. H., Venkatachalam, M., & Sathe, S. K. (2012, June). *Effects of processing on almond (Prunus dulcis L.) detection using a sensitive and specific murine monoclonal antibody (mAb) based sandwich enzyme-linked immunosorbent assay (ELISA)*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Su, M., Roux, K. H., Venkatachalam, M., & Sathe, S. K. (2012, June). *Effects of storage on the almond (Prunus dulcis L.) amandin detection using a sensitive and specific murine monoclonal antibody (mAb)-based sandwich enzyme0linked immunosorbent assay (ELISA)*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Su, M., Willison, L. N., Roux, K. H., Venkatachalam, M., & Sathe, S. K. (2012, June). *Immunoreactivity of native almond major protein (amandin) and its recombinant counterpart Pru du 6/01 and Pru du 6.02*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

- Willison, L. N., Zhang, Q., Su, M., Teuber, S. S., Marshall, A. G., Sathe, S. K., & Roux, K. H. (2012, June). *Identification of a conformational epitope on the almond 11S globulin allergen by use of phage display and hydrogen/deuterium exchange*. Delivered at USDA PD Meeting, Las Vegas, NV. (National)
- Willison, L. N., Zhang, Q., Su, M., Teuber, S. S., Marshall, A. G., Sathe, S. K., & Roux, K. H. (2012, June). *Identification of a conformational epitope on the almond 11S globulin allergen by use of phage display and hydrogen/deuterium exchange*. Delivered at The 72nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Rehm, M., Darling, C., Coccia, C., Cui, M., & Sathe, S. K. (2011, November). *Parental indulgence across generational & economic contexts: A Qualitative Study*. Delivered at The National Council on Family Relations Annual Meeting, Orlando, FL. (National)
- Veldorale-Brogan, A., Coccia, C., Darling, C. A., Rehm, M., Cui, M., & Sathe, S. K. (2011, November). *Indulgence & economic stress: Differential outcomes for parents & adolescents*. Delivered at The National Council on Family Relations Annual Meeting, Orlando, FL. (National)
- Darling, C. A., Coccia, C., Rehm, M., Cui, M., & Sathe, S. K. (2011, June). *Adolescent Life Satisfaction: The Unforseen Impact of Indulgent Parenting*. Delivered at The 102nd American Association of Family and Consumer Sciences Annual Meeting, Phoenix, AZ. (National)
- Sathe, S. K. (2011, June). *Thermal and nonthermal methods for controlling food allergens*. Delivered at The 71st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Su, M., Roux, K. H., & Sathe, S. K. (2011, June). *Mouse monoclonal antibody (mAb) based cocktail ELISA for sensitive, specific and robust detection of almond (Prunus dulcis L.) major protein amandin*. Delivered at The USDA PD Meeting, New Orleans, LA. (National)
- Su, M., Roux, K. H., & Sathe, S. K. (2011, June). *Mouse monoclonal antibody (mAb)-based cocktail ELISA for sensitive, specific, and robust detection of almond (Prunus dulcis L.) major protein amandin*. Delivered at The 71st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Su, M., Roux, K. H., & Sathe, S. K. (2011, June). *Mouse monoclonal antibody (mAb) based cocktail ELISA for sensitive, specific and robust detection of almond (Prunus dulcis L.) major protein amandin*. Delivered at The 71st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Willison, L. N., Tripathi, P., Sharma, G., Suzanne, S., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2011, June). *Biochemical and immunochemical properties of amandin from almond nut*.

- Delivered at The 71st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Willison, L. N., Tripathi, P., Sharma, G., Suzanne, S., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2011, June). *Biochemical and immunochemical properties of amandin from almond nut*. Delivered at The USDA PD Meeting, New Orleans, LA. (National)
- Zhang, Q., Emmett, M. R., Tripathi, P., Willison, L. N., Sathe, S. K., Roux, K. H., & Marshall, A. G. (2011, June). *Epitope Mapping for a ~300 kDa Antigen by Solution-Phase H/D Exchange FT-ICR Mass Spectrometry*. Delivered at The 59th ASMS Conference on Mass Spectrometry and Allied Topics, Colorado Convention Center, Dever, CO. (National)
- Roux, K. H., Tripathi, P., Willison, L. N., & Sathe, S. K. (2011, March). *Methods for epitope mapping using monoclonal antibodies*. Delivered at BIT 3rd Annual International Congress on Antibodies (ICA-2011), Beijing, China. (International)
- Sathe, S. K., Su, M., & Roux, K. H. (2011, March). *Amandin as a marker protein for almond (*Prunus dulcis*) detection*. Delivered at BIT 3rd Annual International Congress on Antibodies (ICA-2011), Beijing, China. (International)
- Coccia, C., Darling, C., Rehm, M., Cui, M., & Sathe, S. K. (2010, November). *Adolescent health, stress, and life satisfaction: The paradox of indulgent parenting*. Delivered at The 72nd National Council on Family Relations Annual Meeting, Minneapolis, Minnesota. (National)
- Sathe, S. K. (2010, October). *Tree Nuts: Allergens and Health Implications*. Delivered at National Institute of Nutrition, Hyderabad, India. (International)
- Sathe, S. K., Willison, L. N., Tripathi, P., & Roux, K. H. (2010, October). *Biochemical and immunochemical properties of amandin*. Delivered at Frontiers in Food Allergen Risk Assessment, Hotel Le Meridien, Nice, France. (International)
- Sathe, S. K., Willison, L. N., Kshirsagar, H. H., Su, M., Sharma, G. M., Teuber, S. S., & Roux, K. H. (2010, September). *Biochemical and immunological properties of amandin, a major allergenic storage protein in almond (*Prunus dulcis* L.) seeds*. Delivered at Second International Conference on Natural Polymers & Biomaterials, Kottayam, Kerala State, India. (International)
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2010, August). *Black gram (*Phaseolus mungo* L.) phaseolin exhibits homology with jack bean and mung bean vicilins*. Delivered at Fifteenth International Conference of the International Union of Food Science and Technology, Cape Town, South Africa. (International)
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2010, August). *Identification of the Brazil nut 7S vicilin as a major allergen*. Delivered at Fifteenth International Conference of the

International Union of Food Science and Technology, Cape Town, South Africa.
(International)

Sharma, G. M., Venkatachalam, M., Roux, K. H., & Sathe, S. K. (2010, August). *Identification of an antigenic seed storage protein, a 7S vicilin, in pecan (Carya Illinois) nut*. Delivered at Fifteenth International Conference of the International Union of Food Science and Technology, Cape Town, South Africa. (International)

Dhole, B., Sathe, S. K., & Roux, K. H. (2010, July). *Comparative protein analysis of the four chestnut species*. Delivered at The 70th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

Kshirsagar, H. H., Roux, K. H., & Sathe, S. K. (2010, July). *Biochemical characterization of amandin and anacardein 11S globulin isoforms*. Delivered at The 70th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

Sharma, G. M., Dhole, B., Ayuso, R., Bardina, L., Sampson, H. A., Roux, K. H., & Sathe, S. K. (2010, July). *Linear IgE epitope mapping and homology modeling of Car i 1, a 2S albumin allergen in Pecan [Carya illinoensis (Wangenh.) K. Koch]*. Delivered at The 70th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

Sharma, G. M., Dhole, B., Roux, K. H., Ayuso, R., Bardina, L., Sampson, H. A., & Sathe, S. K. (2010, July). *Linear IgE epitope mapping of Car i 4, an 11S legumin allergen in pecan [Carya illinoensis (Wangenh.) K. Koch] nut seed*. Delivered at The 70th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

Su, M., Peacock, J., Willison, L., Roux, K. H., & Sathe, S. K. (2010, July). *Mouse Monoclonal Antibody (mAb) based Enzyme Linked Immunosorbent Assay (ELISA) for Sensitive, Specific, and Robust Detection of Almond (Prunus dulcis L.)*. Delivered at The 70th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

Roux, K. H., Lixin, X. L., Robotham, J. M., Willison, L. N., Teuber, S. S., & Sathe, S. K. (2010, April). *Identification and characterization of a conformational epitope on the cashew 11S globulin allergen, Ana o 2*. Delivered at 28th Symposium Collegium Internationale Allergologicum, Ischia, Italy. (International)

Willison, L. N., Sharma, G. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2010, April). *Identification and immunoreactivity of almond lipid transfer protein, Pru du 3*. Delivered at 28th Symposium Collegium Internationale Allergologicum, Ischia, Italy. (International)

Darling, C., Rehm, M., Coccia, C., Cui, M., & Sathe, S. K. (2009, November). *Adolescent Health and Well-Being: The Role of Overindulgent Parenting*. Delivered at The Annual Meeting of the National Council on Family Relations, San Francisco, CA. (National)

- Dhole, B., Blanco, C., Sathe, S. K., & Roux, K. H. (2009, November). *Identification of a novel allergen in European chestnut belonging to the cytosolic class I small heat-shock protein family*. Delivered at American College of Allergy, Asthma and Immunology (ACAAI) Annual conference, Miami Beach, FL. (National)
- Willison, L. N., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2009, November). *Cloning and expression of almond prunin 1 and prunin 2 and analysis of patient IgE reactivity*. Delivered at American College of Asthma and Immunology (ACAAI) Annual Conference, Miami Beach, FL. (National)
- Sathe, S. K., Su, M., Sharma, G. M., Willison, L. N., Robotham, J., & Roux, K. H. (2009, June). *Monoclonal antibody (mAb-based) enzyme linked immunoassay (ELISA) for sensitive, specific, and robust detection of trace quantities of almond (*Prunus dulcis L.*)*. Delivered at The United States Department of Agriculture (USDA) National Research Initiative (NRI) Cooperative state Research Education and Extension Service (CSREES), Anaheim, CA. (National)
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2009, June). *Immunoreactivity of pecan [*Carya illinoensis (Wangenh) K. Koch*] 2S albumin*. Delivered at The 69th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2009, June). *Relative immunoreactivity of Brazil nut (*Bertholletia excelsa L.*) seed storage proteins*. Delivered at The 69th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Su, M., Roux, K. H., & Sathe, S. K. (2009, June). *A competitive inhibition enzyme linked immunosorbent assay (ELISA) for pine nut detection*. Delivered at The 69th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sharma, G. M., Roux, K. H., & Sathe, S. K. (2009, May). *Tree nut allergens*. Delivered at The 100th Annual Meeting of American Association of Oil Chemists, Orlando, FL. (National)
- Sharma, G. M., Venkatachalam, M., Roux, K. H., & Sathe, S. K. (2009, May). *Biochemical characterization of pecan [*Carya illinoensis (Wangenh.) K Koch*] legumin*. Delivered at The 100th Annual Meeting of American Association of Oil Chemists, Orlando, FL. (National)
- Sathe, S. K., Sharma, G. M., & Roux, K. H. (2008, October). *Recent advances in cashew nut allergen research*. Delivered at 8th EuroPrevall IP Congress, Prague, Czechoslovakia. (International)
- Kshirsagar, H. H., & Sathe, S. K. (2008, June). *Isolation and characterization of black gram (*Vigna mungo L.*) globulin*. Delivered at The 68th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)

- Roux, K. H., & Sathe, S. K. (2008, June). *Characterization of tree nut allergens: Linear IgE-epitope mapping of the 11S globulins from English walnut (Jug r 4) and hazelnut (Cor a 9) and comparative structural homology modeling*. Delivered at The USDA Project Directors Meeting, New Orleans, LA. (National)
- Sathe, S. K., Kshirsagar, H. H., Venkatachalam, M., Su, M., Sharma, G. M., & Roux, K. H. (2008, June). *Biochemical and nutritional properties of Inca peanut (Plukenetia volubilis L.) proteins*. Delivered at The 68th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K., & Roux, K. H. (2008, June). *Development of Monoclonal Antibody Based Immunoassays for Tree Nut Detection and Quantification*. Delivered at The USDA Project Directors Meeting, New Orleans, LA. (National)
- Sharma, G. M., Kshirsagar, H. H., Su, M., Roux, K. H., & Sathe, S. K. (2008, June). *Functional and biochemical properties of seed protein isolates*. Delivered at The 68th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sharma, G. M., Monaghan, E. K., Roux, K. H., & Sathe, S. K. (2008, June). *Competitive inhibition enzyme linked immunosorbent assay (ELISA) for Brazil nut detection*. Delivered at The 68th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Roux, K. H., & Sathe, S. K. (2007, August). *Identification, characterization, and epitope mapping of tree nut allergens*. Delivered at The USDA National Research Initiative 71.1 Improving Food Quality and Value Project Director's Meeting, Waterfront Center, Washington, D. C. (National)
- Kshirsagar, H. H., Roux, K. H., Teuber, S. S., & Sathe, S. K. (2007, July). *Isolation and characterization of a vicilin-like protein from Macadamia integrifolia seeds*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Kshirsagar, H. H., & Sathe, S. K. (2007, July). *Purification and biochemical characterization of val (Dolichos lablab L.) and moth (Phaseolus aconitifolius L.) storage globulins*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Monaghan, E. K., Roux, K. H., & Sathe, S. K. (2007, July). *A sensitive and specific monoclonal antibody (mAb)-based immunoassay for detection of a stable 63 kDa almond major protein (AMP) polypeptide in almonds*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)

- Monaghan, E. K., Roux, K. H., & Sathe, S. K. (2007, July). *A sensitive enzyme linked immunosorbent assay (ELISA) for macadamia (Macadamia integrifolia) nut detection*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Monaghan, E. K., Roux, K. H., & Sathe, S. K. (2007, July). *Immunoaffinity purification of SRP-like proteins from plant seeds using anti-soybean (Glycine max L.) sulfur-rich protein rabbit polyclonal antibodies (pAbs)*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Sathe, S. K., & Kshirsagar, H. H. (2007, July). *Solubilization, fractionation and electrophoretic characterization of Inca peanut (Plukenetia volubilis L.) proteins*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Sathe, S. K., Monaghan, E. K., Kshirsagar, H. H., Seeram, N., & Heber, D. (2007, July). *Effects of environmental factors on almond (Prunus dulcis L.) fatty acid composition*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Venkatachalam, M., & Sathe, S. K. (2007, July). *Investigations on solubility of tree nut proteins*. Delivered at The 67th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Tawde, P., Abolhassani, M., Seamon, V., Wang, F., Teuber, S. S., Uratsu, S., Dandekar, A. M., Vieths, S., Sathe, S. K., & Roux, K. H. (2007, June). *IgE-reactive 60S ribosomal protein P2 in almond (Prunus dulcis) and walnut (Juglans regia), a new class of food allergen cross-reactive with fungal aeroallergens*. Delivered at FOCIS, San Diego, CA. (National)
- Willison, L. N., Tawde, P., Robotham, J. M., Penney, R., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2007, June). *Pistachio vicilin, Pis v 1, is allergenic and cross-reactive with the homologous cashew allergen, Ana o 1*. Delivered at FOCIS, San Diego, CA. (National)
- Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2006, September). *Epitope mapping of tree nut legumins*. Delivered at The 232nd Annual Meeting of the American Chemical Society (ACS), San Francisco, CA. (National)
- Sathe, S. K., & Roux, K. H. (2006, September). *Effect of processing on allergen stability*. Delivered at The 232nd Annual Meeting of the American Chemical Society (ACS), San Francisco, CA. (National)
- Teuber, S. S., Sathe, S. K., & Roux, K. H. (2006, September). *Tree nut allergens*. Delivered at The 232nd Annual Meeting of the American Chemical Society (ACS), San Francisco, CA. (National)

- Monaghan, E. K., Roux, K. H., & Sathe, S. K. (2006, June). *Chemical composition of macadamia (Macadamia integrifolia) cultivars grown in Hawaii*. Delivered at The 66th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Monaghan, E. K., Venkatachalam, M., Kshirsagar, H. H., Robotham, J. M., Roux, K. H., & Sathe, S. K. (2006, June). *Monoclonal antibody (Mab)-based immunoassays to assess the impact of thermal processing on cashew nut (Anacardium occidentale L.) allergens Ana o 1, Ana o 2, and Ana o 3*. Delivered at The 66th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Sathe, S. K., & Vankatachalam, M. (2006, June). *Nutrient composition of Brazil, cashew, macadamia, and pine nuts*. Delivered at The 66th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2006, June). *Characterization of soluble antigenic proteins in pecans [Carya Illinoensis (Wangenh.) K. Koch]*. Delivered at The 66th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2006, June). *Influence of food processing on the antigenic stability of pecan proteins*. Delivered at The 66th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Monaghan, E. K., & Sathe, S. K. (2005, July). *Chemical composition of California almonds (Prunus dulcis L.) grown in different counties*. Delivered at The 65th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Vankatachalam, M., Roux, K. H., & Sathe, S. K. (2005, July). *Chemical composition of select pecan [Carya Illinoensis (Wangenh.) K. Koch] varieties*. Delivered at The 65th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2005, July). *Antigenic stability of cashew nut allergens towards in vitro pepsin proteolysis*. Delivered at The 65th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K. (2005, May). *Recent advances in tree nut allergens*. Delivered at Golden Jubilee Lecture, U.I.C.T, University of Mumbai, Matunga, Mumbai, India. (International)
- Tawde, P. D., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2005, March). *Identification of allergenic cross-reactive proteins in cashew and pistachio nut*. Delivered at The 61st Annual Meeting of American Academy of Allergy, Asthma, & Immunology, San Antonio, TX. (National)
- Tawde, P. D., Venkatesh, Y. P., Wang, F., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2005, March). *Identification of profilin as an almond nut allergen*. Delivered at The 61st

- Annual Meeting of American Academy of Allergy, Asthma, & Immunology, San Antonio, TX. (National)
- Tawde, P., Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2004, November). *Hypoallergenic derivatives of Ana o 2, a major cashew allergen*. Delivered at Tenth Biennial Congress of Trans-Pacific Allergy and Immunology (TPIAS), Mumbai, India. (International)
- Lee, S. H., Benmoussa, M., Sathe, S. K., Roux, K. H., Teuber, S. S., & Hamaker, B. R. (2004, September). *Verification of a highly cross-reactive 50 kDa gamma-zein corn protein with anti-sera against almond major protein*. Delivered at The Annual Meeting of the American Association of Cereal Chemists, San Diego, CA. (National)
- Robotham, J. M., Teuber, S. S., Sathe, S. K., Beyer, K., & Roux, K. H. (2004, July). *Linear IgE epitope mapping of various tree nut and legume 11S globulins*. Delivered at 12th International Congress of Immunology and 4th Annual Conference of FOCIS, Montreal, Canada. (International)
- Sathe, S. K. (2004, July). *Advances in seed protein research: A personal perspective*. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Sathe, S. S., Venkatachalam, M., & Sathe, S. K. (2004, July). *Do fermented crackers withstand humidity better than soda crackers?* Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Tawde, P., Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2004, July). *Hypoallergenic variants of the legumins, Ana o 2, a major cashew allergen*. Delivered at International Congress of Immunology, Montreal, Canada. (International)
- Tiwari, R. S., Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2004, July). *Effects of food matrix on almond (Prunus dulcis L.) amandin immunorecognition*. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Vankatachalam, M., Kshirsagar, H. K., & Sathe, S. K. (2004, July). *Soybean 11S and 7S denaturation: role of urea, guanidine-HCl, and SDS concentration*. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Venkatachalam, M., Monaghan, E. K., Kshirsagar, H. K., & Sathe, S. K. (2004, July). *Chemical composition of edible tree nuts*. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Venkatachalam, M., Roux, K. H., Teuber, S. S., & Sathe, S. K. (2004, July). *Solubilization, fractionation and biochemical characterization of pecan [Carya illinoensis (Wangenh)]*

- K. Koch*] proteins. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2004, July). *Antigenic stability of almond (Prunus dulcis L.) proteins towards in vitro simulated gastric fluid digestion: effects of pepsin concentration, pH, and digestion time*. Delivered at The 64th Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Kim, Y. J., Santillo, C., Sathe, S. K., & Mistry, A. (2004, April). *Dietary almond lipids increases plasma total HDL, HDL2, and HDL3 cholesterol in rats*. Delivered at Experimental Biology, Washington D. C. (National)
- Gaudry, P. A., Fernandes, J., Reish, R., Roux, K. H., Sathe, S. K., Teuber, S. S., Reese, G., & Lehrer, S. B. (2004, March). *Murine IgE and IgG antibody responses to allergenic and non-allergenic foods: Potential model for allergenicity assessment of foods in man*. Delivered at The 60th AAAAI Annual Meeting, San Francisco, CA. (National)
- Robotham, J. M., Wang, F., Vest, V. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2004, March). *Ana o 3, a major cashew nut allergen of the 2S albumin family*. Delivered at The 60th AAAAI Annual Meeting, San Francisco, CA. (National)
- Tawde, P. D., Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2004, March). *Mutational analysis of the cashew legumin allergen, Ana o 2*. Delivered at The 60th AAAAI Annual Meeting, San Francisco, CA. (National)
- Wallowitz, M. L., Teuber, S. S., Beyer, K., Sampson, H. A., Roux, K. H., Sathe, S. K., Wang, F., & Robotham, J. M. (2004, March). *Cross-reactivity of walnut, cashew, and hazelnut legumin proteins in tree nut allergic patients*. Delivered at The 60th AAAAI Annual Meeting, San Francisco, CA. (National)
- Benmoussa, M., Sathe, S. K., & Hamaker, B. R. (2003, September). *Cross-reactivity between seed oat and almond major proteins*. Delivered at The 88th Annual Meeting of the American Association of Cereal Chemists, Portland, OR. (National)
- Lee, S. H., Benmoussa, M., Sathe, S. K., & Hamaker, B. R. (2003, September). *Cross-reactivity of a 50 kDa corn protein with almond major protein and its similarity to a novel 50 kDa gamma-zein*. Delivered at The 88th Annual Meeting of the American Association of Cereal Chemists, Portland, OR. (National)
- Sathe, S. K. (2003, September). *Tree nut proteins and allergens*. Delivered at Oregon State University, Corvallis, OR. (National)
- Teuber, S. S., Roux, K. H., Sathe, S. K., Robotham, J. M., & Wang, F. (2003, September). *Cashew allergenicity and study of cross allergenicity*. Delivered at The 2nd CICBAA Symposium, Nancy, France. (International)

- Ahrens, S., Mistry, A. M., & Sathe, S. K. (2003, July). *Almond protein quality*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Jones, M. S., Roux, K. H., Venkatachalam, M., & Sathe, S. K. (2003, July). *Effects of thermal and non-thermal processing on the immunoreactivity of cashew nut (*Anacardium occidentale L.*) proteins*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Monaghan, E. K., Venkatachalam, M., Roux, K. H., & Sathe, S. K. (2003, July). *Detection of cross reactive proteins in various plant seeds to the sulfur rich protein in soybeans (*Glycine max L.*) using sensitive immuno-assays*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Sathe, S. K. (2003, July). *Tree nut proteins and allergens*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Su, M., Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2003, July). *Impact of gamma-irradiation and thermal processing on the antigenicity of almonds, cashew nuts, and walnuts*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Tiwari, R., Venkatachalam, M., Gradziel, T. M., & Sathe, S. K. (2003, July). *Almond (*Prunus dulcis L.*) genotypes and hybrids: Protein, sugar, tannin, and ash*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Venkatachalam, M., & Sathe, S. K. (2003, July). *Role of acids in phaseolin in vitro pepsin digestibility*. Delivered at The 63rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Kim, Y-J., Mistry, A. M., & Sathe, S. K. (2003, April). *Dietary almonds elevate plasma HDL and reduce plasma LDL cholesterol in rats*. Delivered at Experimental Biology, San Diego, CA. (National)
- Robotham, J. M., Wang, F., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2003, March). *Ana o 2, a major cashew nut allergen of the legumin family*. Delivered at The Annual Meeting of the AAAAI, Denver, CO. (National)
- Teuber, S. S., Peterson, W. R., Uratsu, S., Dandekar, A. M., Roux, K. H., & Sathe, S. K. (2003, March). *Identification and cloning of a gene encoding a legumin-group food allergen from English walnut*. Delivered at The Annual Meeting of the AAAAI, Denver, CO. (National)
- Roux, K. H., Robotham, J. M., Wang, F., Teuber, S. S., & Sathe, S. K. (2002, November). *Ana o 1 and Ana o 2, major cashew allergens of the vicilin and legumin families*. Delivered at The 24th Collegium Internationale Allergologicum, Bermuda. (International)

- Lees, S. H., Benmoussa, M., Sathe, S. K., & Hamaker, B. R. (2002, October). *Crossreactivity of antiserum against the almond major protein allergen with cereal proteins*. Delivered at The Annual Meeting of the Association of Cereal Chemists, Montreal, Quebec, Canada. (National)
- Sathe, S. K. (2002, October). *Plant protein digestibility*. Delivered at American Dietetic Association Annual Meeting, Philadelphia, PA. (National)
- Sathe, S. K., Teuber, S. S., & Roux, K. H. (2002, August). *Effects of processing on almond (*Prunus dulcis L.*) allergens*. Delivered at Allergy Research Forum, Hyatt Fair Lakes, Fairfax, Virginia. (International)
- Monaghan, E., Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2002, June). *Enzyme linked immunosorbent assay (ELISA) for sulfur-rich protein (SRP) in soybeans (*Glycine max L.*)*. Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sathe, S. K., & Venkatachalam, M. (2002, June). *Is phaseolin resistant to pepsin in vitro proteolysis?* Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Su, M., Vankatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2002, June). *Effects of gamma-irradiation on antigenicity of almonds, cashew nuts, and walnuts*. Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Vankatachalam, M., Kshirsagar, H. H., Tiwari, R., & Sathe, S. K. (2002, June). *Biochemical characterization of Val bean (*Dolichos lablab L.*) proteins*. Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Venkatachalam, M., Kshirsagar, H. H., Tiwari, R., & Sathe, S. K. (2002, June). *Biochemical characterization of Moth bean (*Vigna aconitifolia L.*) proteins*. Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Venkatachalam, M., Teuber, S. S., Roux, K. H., & Sathe, S. K. (2002, June). *Antigenic proteins in almond, cashew nut and walnut are not resistant to in vitro proteolysis*. Delivered at The 62nd Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sathe, S. K. (2002, May). *Tree nut allergens*. Delivered at Purdue University, West Lafayette, Indiana. (National)

- Sathe, S. K., Wolf, W. J., Roux, K. H., Teuber, S. S., Venkatachalam, M., & Sze-Tao, K. W. C. (2002, April). *Biochemical characterization of almond (Prunus dulcis L.) major storage protein amandin*. Delivered at TNO International Allergy Forum, Noorwijkerhout, the Netherlands. (International)
- Wang, F., Teuber, S. S., Sathe, S. K., Tawde, P., & Roux, K. H. (2002, April). *Ana o 1, a major cashew nut (Anacardium occidentale L.) allergen of the vicilin family*. Delivered at TNO International Allergy Forum, Noorwijkerhout, the Netherlands. (International)
- Leshchinsky, T. V., Sathe, S. K., Sze-Tao, K. W. C., Roux, K. H., & Teuber, S. S. (2002, March). *The glutelin fraction of walnut kernels (Juglans regia) contains unique allergens not visible in the salt soluble fraction*. Delivered at The Annual Meeting of the AAAAI, New York. (National)
- Wei, Y., Sathe, S. K., Teuber, S. S., & Roux, K. H. (2002, March). *A sensitive sandwich ELISA for the detection of trace amount of cashew in foods*. Delivered at Annual Meeting of the AAAAI, New York. (National)
- Schrimpf, J. E., & Sathe, S. K. (2001, June). *Mechanism of ellagic acid binding with bovine serum albumin: Influence of reaction temperature, salts, detergents, polyphenols, and starch*. Delivered at The 61st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Venkatachalam, M., Roux, K. H., & Sathe, S. K. (2001, June). *Influence of food processing on the antigenicity of almond proteins*. Delivered at The 61st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Westmoreland, T., Vankatachalam, M., Roux, K. H., & Sathe, S. K. (2001, June). *Enzyme linked immunosorbent assay (ELISA) for Inca peanut (Plukenetia volubilis L.) albumin*. Delivered at The 61st Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Robotham, J. M., Teuber, S. S., Sathe, S. K., & Roux, K. H. (2001, March). *Linear IgE epitope mapping of the English walnut (Juglans regia) major food allergen, Jug r 1*. Delivered at 57th Annual Meeting of the American Academy of Allergy, Asthma, & Immunology, New Orleans, LA. (National)
- Sze-Tao, K. W. C., Venkatachalam, M., & Sathe, S. K. (2000, September). *Effects of denaturing treatments on soybean 11S and 7S protein fluorescence*. Delivered at The 5th International Hydrocolloids Conference, Raleigh, North Carolina, USA. (International)
- Roux, K. H., Teuber, S. S., & Sathe, S. K. (2000, March). *An immunoassay for the detection of almond in foods*. Delivered at The 56th Annual Meeting of American Academy of Allergy, Ashma, & Immunology, San Diego, CA. (National)

- Teuber, S. S., Sathe, S. K., Roux, K. H., & Peterson, W. R. (2000, March). *Cross-reactivity of walnut and other tree nuts by IgE immunoblot inhibition*. Delivered at The 56th Annual Meeting of American Academy of Allergy, Asthma, & Immunology, San Diego, CA. (National)
- Sathe, S. K., & Sze-Tao, K. W. C. (1999, July). *Effects of sodium dodecyl sulfate, guanidine hydrochloride, urea, and heat denaturation of sulfur rich protein in soybeans*. Delivered at The 59th Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Roux, K. H., Sathe, S. K., Peterson, W. R., & Teuber, S. S. (1999, February). *The major seed storage protein of almond (almond major protein - AMP) is an allergen*. Delivered at The 55th Annual Meeting of American Academy of Allergy, Asthma, & Immunology, Orlando, FL. (National)
- Sathe, S. K., Roux, K. H., Peterson, W. R., & Teuber, S. S. (1999, February). *Characterization of allergens from cashew*. Delivered at The 55th Annual Meeting of American Academy of Allergy, Asthma, & Immunology, Orlando, FL. (National)
- Teuber, S. S., Peterson, W. R., Roux, K. H., & Sathe, S. K. (1999, February). *Removal of SDS by non-ionic detergent is necessary in the optimization of IgE immunoblots*. Delivered at The 55th Annual Meeting of American Academy of Allergy, Asthma, & Immunology, Orlando, FL. (National)
- Sze-Tao, K. W. C., Schimpf, J., & Sathe, S. K. (1998, September). *Effects of processing on walnut (*Juglans regia L.*) tannins*. Delivered at The 19th International Conference on Polyphenols, Lille, France. (International)
- Sathe, S. K. (1998, August). *Tree Nuts: Implications in Human Health*. Delivered at University of California, Davis, CA. (National)
- Acosta, M. R., & Sathe, S. K. (1997, June). *Reactivity of rabbit polyclonal antibodies raised against the major protein in almond (*Prunus amygdalus*)*. Delivered at The 57th Annual Meeting of the Institute of Food Technologists, Orlando, FL. (National)
- Deshpande, S. S., & Sathe, S. K. (1996, June). *Use of genetic engineering to improve functionality of industrial food enzymes*. Delivered at The 56th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Hamaker, B. R., & Sathe, S. K. (1996, June). *A high quality low phenylalanine water-soluble protein of the *Plukenetia volubilis* oilseed*. Delivered at The 56th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Renn, P. T., & Sathe, S. K. (1996, June). *Effects of pH, temperature, and reactant molar ratio on the kinetics of L-leucine and D-glucose Maillard browning reactions in an aqueous*

- system*. Delivered at The 56th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K., Sze-Tao, K. W. C., Wolf, W. J., & Hamaker, B. (1996, June). *Isolation and partial characterization of the major globulin in cashew nut (Anacardium occidentale)*. Delivered at The 56th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Hamaker, B. R., & Sathe, S. K. (1995, November). *Cross-reactivity of sorghum beta-kafirin antibody with rice prolamin protein*. Delivered at Annual Meeting of the American Association of Cereal Chemists, San Antonio, TX. (National)
- Sathe, S. K., Sze, K. W. C., & Hamaker, B. R. (1995, November). *Isolation and partial characterization of Basmati rice (Oryza sativa) starch*. Delivered at The Annual Meeting of the American Association of Cereal Chemists, San Antonio, TX. (National)
- Sathe, S. K., & Sze, K. W. C. (1995, June). *Effects of sodium chloride, phytate, and tannin on in vitro proteolysis of phaseolin*. Delivered at The 55th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sze, K. W. C., & Sathe, S. K. (1995, June). *Effect of blanching and roasting on walnuts (Juglans regia L.) sensory properties*. Delivered at The 55th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sze, K. W. C., & Sathe, S. K. (1995, June). *Solubilization and amino acid composition of walnut (Juglans regia L.) proteins*. Delivered at The 55th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sathe, S. K., & Sze, K. W. C. (1994, June). *Effect of gamma-irradiation on orange and tomato pectinesterase activity*. Delivered at The 54th Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)
- Stenson, D. F., & Sathe, S. K. (1994, June). *Isolation and biochemical characterization of Basmati rice (Oryza sativa L. var Dehraduni) storage proteins*. Delivered at The 54th Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)
- Sze, K. W. C., & Sathe, S. K. (1994, June). *Functional properties of almond (Prunus amygdalus) protein isolate*. Delivered at The 54th Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)
- Sze, K. W. C., & Sathe, S. K. (1994, June). *Thermal aggregation of almond (Prunus amygdalus) protein isolate*. Delivered at The 54th Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)

- Pickels, P. E., Harris, N. D., & Sathe, S. K. (1993, July). *Effect of gamma irradiation of pectin methyl esterase activity in tomato (Lycopersicon esculentum L.)*. Delivered at The 53rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Sathe, S. K., Idouraine, A., & Weber, C. W. (1993, July). *Purification and biochemical characterization of tepary bean (Phaseolus acutifolus) major globulin*. Delivered at The 53rd Annual Meeting of the Institute of Food Technologists, Chicago, IL. (National)
- Anderson, E., & Sathe, S. K. (1992, June). *A new colorimetric method for the detection of proteolytic enzyme activity*. Delivered at The 52nd Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Rankins, J., Sze, C., Ha, A., Sathe, S. K., & Green, N. R. (1992, June). *Development of "mango parental" to prevent vitamin A deficiency in the Sahel*. Delivered at The Annual 52nd Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K. (1992, June). *Isolation and partial characterization of the major protein in almond (Prunus amygdalus)*. Delivered at The 52nd Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K. (1991, September). *Biochemical characterization of the sulfur-rich protein in soybeans (Glycine max L.)*. Delivered at 8th World Congress of Food Science Technology, Toronto, Canada. (International)
- Sathe, S. K. (1991, September). *Solubilization and electrophoretic characterization of cashew nut (Anacardium occidentale) proteins*. Delivered at 8th World Congress of Food Science and Technology, Toronto, Canada. (International)
- Sathe, S. K. (1991, June). *Solubilization and electrophoretic characterization of cashew nut (Anacardium occidentale) proteins*. Delivered at The 51st Annual Meeting of the Institute of Food Technologists, Dallas, TX. (National)
- Sathe, S. K., & Deshpande, S. S. (1991, May). *Molecular basis of phaseolin digestibility*. Delivered at The 82nd Annual Meeting of the American Oil Chemists' Society, Chicago, IL. (National)
- Idouraine, A., Sathe, S. K., & Weber, C. W. (1990, June). *Biological evaluation of flour and protein concentrate from tepary bean (Phaseolus ocutifolius L.)*. Delivered at The 50th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sathe, S. K. (1990, June). *Isolation and characterization of the protein that copurifies with soybean (Glycine max L.) glycinin*. Delivered at The 50th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)

- Sathe, S. K., Anderson, K., & Marques, B. G. (1990, June). *Solubilization and electrophoretic characterization of the almond (*Prunus amygdalus*) proteins*. Delivered at The Annual 50th Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Sathe, S. K., Anderson, K., & Marques, B. G. (1990, February). *Solubilization and electrophoretic characterization of the almond (*Prunus amygdalus*) proteins*. Delivered at The Southeastern Regional meeting of the College Teachers of Food, Nutrition, and Food Service, Blacksburg, VA. (Regional)
- Sathe, S. K. (1989, October). *Improved method for the purification of soybean glycinin*. Delivered at The NE-123 Annual Meeting, Raleigh, NC. (Regional)
- Xu, T., Goll, D. E., Sathe, S. K., & Thompson, V. (1989, July). *Specificity of the Ca^{2+} dependent proteinases micro-calpain and m-calpain*. Delivered at Third Symposium of the Protein Society, Seattle, WA. (Regional)
- Mason, A. C., Sathe, S. K., Rodibaugh, R., & Weaver, C. M. (1988, July). *The chemical form of selenium in soy proteins*. Delivered at The Fourth International Symposium "Selenium in Biology and Medicine", University of Tubingen, West Germany. (International)
- Sathe, S. K., Mason, A. C., & Weaver, C. M. (1988, June). *Thermal aggregation of soybean (*Glycine max L.*) sulfur rich protein*. Delivered at The 48th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Weaver, C. M., Khan, A., & Sathe, S. K. (1988, June). *Chemical nature of zinc in raw and processed soybeans*. Delivered at The 48th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Sathe, S. K., Mason, A. C., & Weaver, C. M. (1988, May). *Some properties of a selenium incorporating sulfur rich protein in soybeans (*Glycine max L.*)*. Delivered at The 72nd Annual Meeting of the Federation of American Societies for Experimental Biology, Las Vegas, NV. (National)
- Sathe, S. K., Mason, A. C., & Weaver, C. M. (1987, March). *Isolation, purification, and some properties of a new selenium containing soy protein*. Delivered at The 71st Annual Meeting of the Federation of American Societies for Experimental Biology, Washington, D. C. (National)
- Cottin, P. A., Sathe, S. K., & Goll, D. E. (1986, June). *Autolysis kinetics of micro-M and mM Ca^{2+} dependent proteinases from bovine skeletal muscle*. Delivered at The 76th Annual Meeting of the American Society of Biological Chemists, Washington, D. C. (National)
- Goll, D. E., Shannon, J. D., Kleese, W. C., & Sathe, S. K. (1986). *Properties of the Ca^{2+} dependent proteinase and its protein inhibitor*. Delivered at J. Cell Biochem. 10A:262. (National)

- Wolfe, F. H., Sathe, S. K., Duperret, S. M., Goll, D. E., Kleese, W. C., & Edmunds, T. (1985, April). *A third Ca²⁺ dependent proteinase in chicken muscle*. Delivered at The 69th Annual Meeting of the Federation of American Societies for Experimental Biology, Anaheim, CA. (National)
- Goll, D. E., Shannon, J. D., Edmunds, T., Sathe, S. K., Chang, K. C., & Kleese, W. C. (1984, October). *Enzymes and enzyme inhibitors in muscle tissue*. Delivered at The ACS Agricultural and Food Chemistry Conference, Las Vegas, NV. (Regional)
- Sathe, S. K., Muguruma, M., & Goll, D. E. (1984, June). *Specificity of the high and low Ca²⁺ forms of the CA²⁺ dependent proteinase*. Delivered at The 44th Annual Meeting of the Institute of Food Technologists, Anaheim, CA. (National)
- Reddy, N. R., Sathe, S. K., & Salunkhe, D. K. (1984, April). *Dry bean tannins*. Delivered at The 75th Annual Meeting of the American Oil Chemists' Society, Dallas, TX. (National)
- Sathe, S. K., & Deshpande, S. S. (1984, April). *Enzyme inhibitors in dry beans*. Delivered at The 75th Annual Meeting of the American Oil Chemists' Society, Dallas, TX. (National)
- Sathe, S. K. (1983, December). *Some properties of Ca²⁺ dependent proteases*. Delivered at Cambridge University, ARC, Babraham. (International)
- Muguruma, M., Goll, D. E., Sathe, S. K., Nada, S., & Fukazawa, T. (1983, August). *Isolation and characterization of a gelsolin-like protein from chicken gizzard*. Delivered at The 5th World Conference on Animal Production, Tokyo, Japan. (International)
- Nagainis, P. A., Sathe, S. K., Goll, D. E., & Edmunds, T. (1983, June). *Autolysis of high Ca²⁺ and low Ca²⁺ dependent proteinase from bovine skeletal muscle*. Delivered at The 74th Annual Meeting of the American Society of Biological Chemists, San Francisco, CA. (National)
- Sathe, S. K., Deshpande, S. S., Reddy, N. R., Goll, D. E., & Salunkhe, D. K. (1983, June). *Effects of germination on proteins, raffinose oligosaccharides, and antinutritional factors in the Great Northern bean (Phaseolus vulgaris L.)*. Delivered at The 43rd Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)
- Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1982, October). *Chemistry and safety of plant polyphenols*. Delivered at Symposium "Nutritional and Metabolic Aspects of Food Safety" at the Pacific Conference on Chemistry and Spectroscopy, San Francisco, CA. (Regional)
- Deshpande, S. S., Rangnekar, P. D., Sathe, S. K., & Salunkhe, D. K. (1982, June). *Functional and rheological properties of wheat flour bean flour blends*. Delivered at The 42nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)
- Deshpande, S. S., Sathe, S. K., Comforth, D. P., & Salunkhe, D. K. (1982, June). *Effects of dehulling on certain antinutritional factors of dry beans (Phaseolus vulgaris L.)*.

Delivered at The 42nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Goll, D. E., Szpacenko, A., Otsuka, Y., Sathe, S. K., & Muguruma, M. (1982, June). *Role of muscle proteinases in maintenance of muscle integrity and mass*. Delivered at Symposium "Fundamental Properties of Muscle Proteins Important in Meat Science," the 42nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Sathe, S. K., Rangnekar, P. D., Deshpande, S. S., & Salunkhe, D. K. (1982, June). *Isolation, partial characterization, modification, and functional properties of black gram (Phaseolus mungo L.) starch*. Delivered at The 42nd Annual Meeting of the Institute of Food Technologists, Las Vegas, NV. (National)

Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1981, October). *Effects of dehulling on functional properties of dry bean (Phaseolus vulgaris L.) flours*. Delivered at The 66th Annual Meeting of the American Association of Cereal Chemists, Denver, CO. (National)

Deshpande, S. S., Sathe, S. K., & Salunkhe, D. K. (1981, October). *Interrelationship between certain physicochemical properties of dry beans (Phaseolus vulgaris L.)*. Delivered at The 66th Annual Meeting of the American Association of Cereal Chemists, Denver, CO. (National)

Sathe, S. K., Iyer, V., & Salunkhe, D. K. (1981, June). *Functional properties of the Great Northern bean (Phaseolus vulgaris L.) proteins: Amino acid composition, in vitro digestibility, and application to cookies*. Delivered at The 41st Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)

Sathe, S. K., Iyer, V., & Salunkhe, D. K. (1981, June). *Investigations on the Great Northern bean (Phaseolus vulgaris L.) starch*. Delivered at The 41st Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)

Sathe, S. K., & Salunkhe, D. K. (1981, June). *Technology of removal of unwanted components of dry beans*. Delivered at Symposium "Dry Beans - Nutrition, Chemistry, and Technology," the 41st Annual Meeting of the Institute of Food Technologists, Atlanta, GA. (National)

Sathe, S. K., & Salunkhe, D. K. (1981, January). *Investigations on winged bean [Psophocarpus tetragonolobus L. (DC)] proteins and antinutritional factors*. Delivered at The 2nd International Winged Bean Seminar, Colombo, Sri Lanka. (International)

Sathe, S. K., & Salunkhe, D. K. (1980, June). *Functional Properties of the Great Northern bean (Phaseolus vulgaris L.) proteins*. Delivered at The 40th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., & Salunkhe, D. K. (1980, June). *Isolation, partial characterization, and modification of the Great Northern bean (Phaseolus vulgaris L.) starch*. Delivered at The 40th Annual Meeting of the Institute of Food Technologists, New Orleans, LA. (National)

Sathe, S. K., & Salunkhe, D. K. (1978). *Production and utilization of protein concentrates and isolates*. Delivered at Utah Academy of Sciences, Arts, and Letters, Utah State University, Logan, UT. (State)

Patented Inventions

Roux, K. H., Sathe, S. K., Robotham, J. M., & Teuber, S. S. (2011). *Purified linear polypeptide epitopes from walnuts and associated methods*. U.S. Patent No. 8,007,770.

Roux, K. H., Teuber, S. S., Sathe, S. K., & Robotham, J. M. (2010). *Nucleic acid and allergenic polypeptides encoded thereby in cashew nuts*. U.S. Patent No. 7,763,709.

Roux, K. H., Teuber, S. S., Sathe, S. K., & Robotham, J. M. (2010). *Nucleic acid encoding purified linear polypeptide epitope from walnuts*. U.S. Patent No. 7,763,721.

Roux, K. H., Sathe, S. K., & Teuber, S. S. (2009). *Purified linear epitopes from cashew nuts, nucleic acids encoding therefor, and associated methods*. U.S. Patent No. 7,538,203.

Roux, K. H., Sathe, S. K., & Teuber, S. S. (2009). *Nucleic acid and allergenic polypeptides encoded thereby in cashew nuts (Anacardium occidentale)*. U.S. Patent No. 7,537,914.

Roux, K. H., Sathe, S. K., & Teuber, S. S. (2008). *Purified linear epitopes from cashew nuts, nucleic acids encoding therefor, and associated methods*. U.S. Patent No. 7,538,534.

Roux, K. H., Sathe, S. K., Robotham, J. M., & Teuber, S. S. (2007). *Purified linear epitopes from walnuts and associated methods*. U.S. Patent No. 7,250,489.

Roux, K. H., Sathe, S. K., & Teuber, S. S. (2005). *Purified linear epitopes from cashew nuts, nucleic acids encoding therefor, and associated methods*. U.S. Patent No. 6,884,877.

Contracts and Grants

Contracts and Grants Funded

Sathe, S. K. (PI), & Roux, K. H. (Sep 2011–Aug 2012). *Assessment of immunoreactivity of almond cultivars and hybrids*. Funded by Almond Board of California. Total award \$20,000.

- Roux, Kenneth H (PI), & Sathe, S. K. (Jan 2011–Jan 2015). *Characterization and Comparison of Conformational and Li*. Funded by National Inst of Food & Agriculture. (2011-67017-20079). Total award \$499,990.
- Roux, K. H. (PI), & Sathe, S. K. (2011–2012). *Production of Monoclonal Antibodies and Kits for the Detection of Nut Allergens in Foods*. Funded by GAP Grant, FSU Research Foundation, Florida State University, Tallahassee, FL 32306. Total award \$25,000.
- Sathe, S. K. (PI). (Oct 2010–Oct 2010). *Travel grant to attend and present a research paper "Biochemical and immunochemical properties of amandin" in Food Allergy Symposium - "Frontiers in Food Allergen Risk Assessment: a joint symposium Euro-Prevall, ILSI Europe, ILSI-HESI, UK FSA, FARRP"*. Funded by Almond Board of California, Modesto, CA. Total award \$2,621.
- Roux, K. H. (PI), & Sathe, S. K. (2010–2011). *Production of Monoclonal Antibodies and Kits for the Detection of Nut Allergens in Foods*. Funded by GAP Grant, FSU Research Foundation, Florida State University, Tallahassee, FL 32306. Total award \$15,000.
- Sathe, Shridhar K (PI), & Roux, K. H. (Sep 2009–Aug 2013). *Identification of Allergenic Epitopes in Almonds*. Funded by National Inst of Food & Agriculture. (2009-65503-05797). Total award \$469,968.
- Roux, K. H. (PI), & Sathe, S. K. (Mar 2009–Apr 2012). *Structural Analysis of the Major Almond Allergen, Amandin, an IIS Globulin*. Funded by Almond Board of California, Modesto, CA. Total award \$160,000.
- Darling, C. A., Cui, M., Sathe, S. K., & Rhem, M. (2009–2010). *Adolescent health and well-being: The role of overindulgent parenting*. Funded by Kappa Omicron Nu, East Lansing, MI. Total award \$2,500.
- Sathe, S. K. (PI). (Oct 2008–Oct 2008). *Travel Grant to attend and resent research findings at the 8th EuroPrevall IP Congress*. Funded by Almond Board of California , Modesto, CA. Total award \$5,000.
- Darling, Carol A (PI), Sathe, S. K., Rehm, M. L., & Cui, M. (Aug 2008–Aug 2010). *The Role of Parenting and Adolescent Health*. Funded by Kappa Omicron Nu Honor Society. (NONE). Total award \$5,500.
- Sathe, S. K. (PI), & Sharma, G. M. (May 2008–Aug 2008). *Isolation and sequencing of pecan [Carya illinoensis (Wangenh) K. Koch] lipoxxygenase cDNA*. Funded by Florida State University, COFRS Grant. Total award \$13,000.
- Sathe, Shridhar K (PI). (Apr 2008–Mar 2009). *Food Allergy Research Enhancement*. Funded by United Board for Christian Higher Edu in. (NONE). Total award \$1,000.

- Darling, C. A., Cui, M., Sathe, S. K., & Rhem, M. (2008–2009). *Adolescent health and well-being: The role of overindulgent parenting*. Funded by Kappa Omicron Nu, East Lansing, MI. Total award \$3,000.
- Sathe, S. K. (PI). (2007–2007). *Explore Collaborative Research with potential EU Partner-Institute of Food Research*. Funded by Almond Board of California, Modesto, CA. Total award \$8,000.
- Sathe, S. K. (PI), & Roux, K. H. (2007–2010). *Identification of Conformational Epitopes for Almond Proteins*. Funded by Almond Board of California, Modesto, CA. Total award \$74,444.
- Sathe, Shridhar K (PI), & Kshirsagar, H. (Aug 2006–Aug 2013). *Chemical Analysis of Plant Products*. Funded by Pictsweet Company, The. (NONE). Total award \$12,038.
- Ilich, J. Z., Arjmandi, B. H., Devareddy, L., Sathe, S. K., Erickson, G., & Steppan, S. (2006–2007). *Micro Computed Tomography System for Measurement of 3-D Structure of Hard and Soft Materials and Development of Finite Element Computerized Models*. Funded by Florida State University Research Foundation Grant Programs (EIEG Proposal). Total award \$100,000.
- Moore, M. A., & Sathe, S. K. (2006–2006). *Instructional Development Proposal "Development of Color Measurement Modules" for acquisition of a Hunter Color/Color Difference Meter*. Funded by Florida State University. Total award \$15,000.
- Sathe, S. K. (2006–2007). *Biochemical Characterization of Sulfer Rich Protein (SRP) in Select Legumes*. Funded by College of Human Sciences, Florida State University, Tallahassee, FL. Total award \$6,000.
- Sathe, S. K. (PI). (2006–2006). *Lectin Analyses of Red Kidney Beans*. Funded by PictSweet Co., TN. Total award \$12,037.
- Sathe, S. K. (PI), & Roux, K. H. (2006–2010). *Development of Monoclonal Antibody Based Immunoassays for Tree Nut Detection and Quantification*. Funded by USDA NRICGP, Washington, D.C. Total award \$408,083.
- Sathe, S. K., & Beal, C. (2006–2007). *Bess Ward Honors Thesis Grant for "Development of a Sensitive and Reproducible Test for the Detection of Antigenic Pine Nut*. Funded by Florida State University, Tallahassee, FL. Total award \$1,000.
- Roux, K. H. (PI), & Sathe, S. K. (2003–2007). *Characterization of Tree Nut Allergens*. Funded by USDA NRICGP, Washington, D. C. Total award \$395,000.
- Sathe, S. K. (PI). (2003–2012). *Chemical Analysis of Almond Genotype and Hybrids*. Funded by Almond Board of California, Modesto, CA. Total award \$107,500.

- Sathe, S. K. (PI). (2003–2012). *Lectin and Trypsin Inhibitory Activity Analysis of Selected Samples*. Funded by Pharmachem Laboratories, Kearny, NJ. Total award \$108,141.
- Sathe, S. K. (PI). (2003–2003). *Almond, Cashew Nut, and Walnut Protein In Vitro Digestibility*. Funded by COFRS, Florida State University. Total award \$8,000.
- Roux, K. H. (PI), & Sathe, S. K. (2002–2004). *Identification and IgE Binding Site Mapping of Allergenic Tree Nut Peptides: Potential Immunoassay and Immunotherapy Candidates*. Funded by Program Enhancement Grant, Florida State University. Total award \$100,000.
- Sathe, S. K. (PI). (2002–2002). *Are Tree Nut Allergens Resistant to In Vitro Proteolysis?* Funded by Research Initiative Program, College of Human Sciences, Florida State University. Total award \$2,000.
- Sathe, S. K. (PI), & Mistry, A. (2002–2002). *Almond Protein Digestibility*. Funded by Almond Board of California, Modesto, CA. Total award \$20,000.
- Sathe, S. K. (PI). (2001–2001). *Antigenic Stability of Tree Nut Allergens*. Funded by College of Human Sciences, Research Initiative Program, Florida State University. Total award \$2,000.
- Sathe, S. K. (PI). (2000–2001). *Enzyme Linked Immuno Assay (ELISA) for Inca Peanut Albumin*. Funded by College of Human Sciences, Florida State University. Total award \$800.
- Sathe, S. K. (PI). (1999–1999). *Tree Nut Protein Monoclonal Antibodies: Production and Partial Characterization*. Funded by Committee on Research and Creativity, Florida State University. Total award \$8,000.
- Sathe, S. K. (PI). (1999–1999). *Soybean Sulfur Rich Protein*. Funded by Monsanto, St. Louis, Missouri. Total award \$300.
- Sathe, S. K. (PI), & Roux, K. H. (1999–1999). *Reactivity of Proteins Extracted from Natural and Processed Almonds toward Human IgF*. Funded by Almond Board of California, Modesto, CA. Total award \$37,329.
- Sathe, S. K. (PI), Roux, K. H., & Teuber, S. S. (1999–2002). *Development of Immunoassays for Detection of Almond and Walnut Proteins in Foods*. Funded by USDA, Washington, D. C. Total award \$180,000.
- Sathe, S. K. (PI). (1998–1998). *Reactivity of Proteins Extrated from Natural and Processed Almonds towards Human IgF*. Funded by Almond Board of California, Modesto, CA. Total award \$49,015.

- Sathe, S. K. (PI). (1998–1998). *Identification and Quantification of Almond (*Prunus amygdalus L.*) Proteins Responsible for Allergies in Humans*. Funded by Planning Grant, Committee on Research and Creativity, Florida State University. Total award \$5,990.
- Sathe, S. K. (PI). (1997–1997). *Vibrio vulnificus*. Funded by College of Human Sciences, Florida State University. Total award \$975.
- Sathe, S. K. (PI). (1996–1996). *Functional Evaluation of a Novel Protein from the Seeds of *Plukenetia volubilis**. Funded by College of Human Sciences, Research Initiation Award Program, Florida State University. Total award \$2,000.
- Sathe, S. K. (1995–1995). *Travel grant to present research papers at the 55th Annual Meeting of the Institute of Food Technologists*. Funded by Foundation Grants Advisory Committee, Florida State University. Total award \$600.
- Sathe, S. K. (PI). (1995–1997). *Color Retention in Celery*. Funded by Duda Redi Foods Division, Duda & Sons, Inc., Oviedo, FL. Total award \$5,000.
- Sathe, S. K. (PI). (1995–1995). *Biochemical Characterization of the Major Protein in Cashew Nut (*Anacardium occidentale*)*. Funded by Committee on Faculty Research Support (COFRS), Florida State University. Total award \$8,000.
- Sathe, S. K. (PI). (1994–1994). *Immunological Characterization of Major Almond Protein*. Funded by College of Human Sciences, Research Initiation Program (RIAP), Florida State University. Total award \$1,466.
- Sathe, S. K. (PI). (1994–1994). *Trypsin Inhibitor Analysis of Soybeans and Soybean Products*. Funded by Archer Daniels Midland Company, Decatur, Illinois. Total award \$560.
- Sathe, S. K. (PI). (1993–1994). *Structure-Function Relationship in Soybean Proteins*. Funded by IRI, Florida State University. Total award \$25,000.
- Sathe, S. K. (PI). (1992–1993). *Phytate and Hydrolysis Analysis of Soybean Proteins*. Funded by Archer Daniels Midland Company, Decatur, Illinois. Total award \$2,500.
- Sathe, S. K. (PI). (1992–1993). *Inactivation of Pectinesterase by Radiation*. Funded by Foundation Grants Advisory Committee, Florida State University. Total award \$2,175.
- Sathe, S. K. (1991–1991). *Travel grant to present a research paper at the 51st Annual Meeting of the Institute of Food Technologists*. Funded by Foundation Grants Advisory Committee, Florida State University. Total award \$600.
- Sathe, S. K. (PI). (1991–1994). *Chemical Analysis of Soybeans and Soybean Products*. Funded by Archer Daniels Midland Company, Decatur, IL. Total award \$4,460.

- Sathe, S. K. (PI). (1991–1991). *Purification and Biochemical Characterization of the Major Protein in Almonds (*Prunus amygdalus*)*. Funded by Council on Faculty Research Support (COFRS), Florida State University. Total award \$8,000.
- Sathe, S. K. (PI). (1991–1992). *Phytate Analysis of Soybeans and Soybean Products*. Funded by Archer Daniels Midland Company, Decatur, Illinois. Total award \$1,300.
- Sathe, S. K. (1990–1990). *Travel grant to present research papers at the 50th Annual Meeting of the Institute of Food Technologists*. Funded by Foundation Grants Advisory Committee, Florida State University. Total award \$400.
- Sathe, S. K. (PI). (1989–1989). *Planning grant to develop research proposals on Biotechnological Improvement of the Nutritional Quality of Cheese*. Funded by Council on Research and Creativity, Florida State University. Total award \$6,000.
- Sathe, S. K. (PI). (1982–1982). *Specificity of the Ca²⁺ dependent proteinases*. Funded by American Heart Association (Arizona Affiliate). Total award \$14,500.
- Sathe, S. K. (1981–1981). *Travel grant to present a research paper, "Investigations on winged bean [*Psophocarpus tetragonolobus* L. (DC)] proteins and antinutritional factors" at the 2nd International Winged Bean Seminar, Colombo, Sri Lanka*. Funded by International Council for the Development of Underutilized Plants. Total award \$2,500.
- Sathe, S. K. (PI). (1981–1981). *Biochemical Studies on the Great Northern Bean (*Phaseolus vulgaris* L.) Proteins*. Funded by Sigma Xi Grant-in-Aid Research. Total award \$250.
- Sathe, S. K. (PI). (1981–1981). *Specificity of the Ca²⁺ dependent proteinases*. Funded by American Heart Association (Arizona Affiliate). Total award \$14,000.

Service

Florida State University

FSU University Service

Member, Promotion and Tenure Committee (2007–2008).

Member, Animal Use and Care Committee (2005–2007).

Member, Promotion and Tenure Committee (2002–2004).

Member, Patents Committee (1991–2001).

Member, Dissertation Research Grant Selection Committee (1996–2000).

Member, Professional Excellence Program Committee (1998–1999).

Member, University Fellowship Selection Committee (1996–1998).

Mentor, Freshman Chemistry Honors Students (1997).

Advisor, Student's Union Party (1996–1997).

Mentor, Freshman Chemistry Honors Students (1994).

Member, Faculty Senate (1991–1994).

Participant, Golden Key Honor Society (1990–1992).

Participant, Honors and Scholars Association (1990–1992).

Reviewer, Research Proposals submitted to the Committee on Faculty Research Support (1990–1992).

Participant, President's Council for Excellence in College Teaching (1991).

Member, Convocations Committee (1988–1991).

Participant, Cultural Diversity Conference (1990).

FSU College Service

Member, MEMS Advisory Committee (1993–present).

Invited Speaker, MEMS Seminar (1993–present).

Member, Promotion and Tenure Committee (2002–2011).

Member and Co-Chair, CHS Faculty Advisory Committee (2006–2007).

Member, Dean's Search Committee (2006).

Member, Named Professor Selection Committee (2004–2005).

Faculty Senate, CHS Faculty Senate Alternate Representative (2003–2005).

Member, Hortense Glenn Honorary Society Student Selection Committee (2003–2005).

Member, Food Merchandising Initiative Committee (2003–2004).

Member, Honorary Doctorate Selection Committee (2003–2004).

Member, RIAP Committee (2003–2004).

Member, Scholarship Committee (1991–2002).

Member, Committee on International Task Force (1999–2000).

Course Director, Workshop, "Recent Advances in Food Science and Technology" (1999).

Member, Faculty Advisory Policy Committee (1998–1999).

Chair, External Development Committee (1995–1996).

Member, External Development Committee (1991–1996).

Consultant, Nutrition and Food Science Summer Institute (1994–1995).

Member, Ad Hoc Committee on Research Perspectives (1993–1994).

Member, Capital Campaign Committee (1993–1994).

Member, Task Force on Teaching Enhancement (1993–1994).

College Marshall, University Convocations Committee (1988–1991).

FSU Department Service

Member, Departmental Promotion and Tenure Committee (1995–present).

Member and Chair, Graduate Committee (1994–present).

Member, Departmental Undergraduate and Graduate Committees (1991–present).

Member, Erdman Scholarship Committee (1991–present).

Acting Department Chair, Department Chair (1989–present).

Invited Speaker, Undergraduate and Graduate Classes offered by the Department (1989–present).

Member, Merit Criteria Committee (2011).

Chair, Search Committee, Teaching Instructor and Laboratory Manager position (2011).

Member, Departmental Merit Committee (2010–2011).

Member, Departmental Named Professorships Committee (2009–2010).

Member, Departmental Executive Committee (2008).

Member, Departmental Executive Committee (2003–2006).

Member, Selection Committee, Hazel K. Stiebling Professorship in Food Science and Nutrition (2000–2006).

Member, Departmental Named Professorships Committee (2004–2005).

Chair, Nutrition (Metabolism) Faculty Search Committee (2004–2005).

Coordinator, Undergraduate Honors Program in NFMS (1990–2005).

Member, Honorary Doctorate Selection Committee (2003–2004).

Member, RIAP Committee (2003–2004).

Member, Hazel K. Stiebling Symposium Planning Committee (2001–2004).

Chair, Nutrition Faculty Search Committee (2002–2003).

Member, External Development Committee (1994–2002).

Member and Co-Chair, Promotion and Tenure Committee (1991–2002).

Member, Food Safety Symposium Planning Committee (2000–2001).

Chair, Food Science Faculty Search Committee (2000–2001).

Member and Chair, Departmental Advisory Committee (1996–2001).

Chair, Special Hire Search Committee (1999–2000).

Member, Merit Criteria Committee (1994–1995).

Member, Program Development Revisions of Curriculum Committee (1993–1994).

Member, Teaching Accountability (critical thinking) M.S. Review Committee (1993–1994).

Member, Teaching Accountability (critical thinking) Undergraduate Review Committee (1993–1994).

Coordinator, Right-To-Know (1989–1994).

Member, Advising Committee (1991–1992).

Member, Access Committee (1990–1991).

Member, Committee to Develop Food and Society (HUN2125) as a multicultural course for liberal studies (1990–1991).

Member, Budget and Equipment Committee (1989–1991).

Representative, Department of Nutrition, Food, and Movement Sciences (1990).

Instructor, Short course in "Protein Chemistry" (1989).

Panel Member, Corporate Seminar (1989).

Member, Weight Watchers Scholarship Committee (1989).

The Profession

Editor for Refereed Journals

Associate Editor, *Journal of Food Science (Food Chemistry and Toxicology Section)* (2000–present).

Reviews Editor, *LWT-Food Science and Technology* (1980–present).

Editorial Board Membership(s)

Foods (2012–present).

Journal of Food Protection (2011–present).

Journal of Agricultural and Food Chemistry (2004–present).

Journal of Food Science (2004–present).

Food Science and Biotechnology (Korean Society of Food Science and Technology) (2003–present).

LWT-Food Science and Technology (2003–present).

Plant Foods for Human Nutrition (2001–present).

Journal of Food Biochemistry (1995–present).

Guest Reviewer for Refereed Journals

Journal of Food Engineering (2011–present).

CRC Critical Reviews in Food Science and Technology (2010–present).

Italian Journal of Food Science and Technology (2010–present).

Food Research International (2009–present).

Clinical and Experimental Allergy (2006–present).

Food Research International (2005–present).

Journal of Food Protection (2004–present).

Biochimica Biophysica Acta (2001–present).

Food Hydrocolloid (2000–present).

Scanning Microscopy International (1997–present).

Journal of Agricultural and Food Chemistry (1993–present).

Journal of Food Quality (1990–present).

LWT - Food Science and Technology (1990–present).

Abstracts submitted for the Annual Meetings of the IFT (1988–present).

Academic Press, Inc., San Diego, CA (1988–present).

John Wiley and Sons, Inc (1988–present).

Journal of Food Processing and Preservation (1988–present).

Wadsworth Publishing, Atlanta, GA (1988–present).

West Educational Publishing, Atlanta, GA (1988–present).

Food Chemistry (1986–present).

Plant Foods for Human Nutrition (1985–present).

Food Technology (1984–present).

Journal of Food Biochemistry (1984–present).

Cereal Chemistry (1982–present).

Journal of Food Science (1980–present).

Journal of the Science of Food and Agriculture (1980–present).

Process Biochemistry (1993–1995).

Die Nahrung - Food (1988–1995).

Nutrition Research Reviews (1988–1990).

Journal of Food and Nutrition Research (1986–1990).

Journal of Food Composition and Analysis (1984–1985).

Chair of a Symposium

Sathe, S. K. (Chair). (2008). *Minimally Processed Foods: Opportunities and Challenges*. Symposium conducted at the meeting of Annual Meeting of the Institute of Food Technologists, New Orleans, LA.

Sathe, S. K. (Chair). (1998). *Food Phytates: Antinutrients or Anticarcinogens?* Symposium conducted at the meeting of 58th Annual Meeting of the IFT, Atlanta, GA.

Sathe, S. K. (Chair). (1996). *Biotechnology: Prospects, Opportunities, and Limitations*. Symposium conducted at the meeting of 56th Annual Meeting of the IFT, New Orleans, LA.

Sathe, S. K. (Chair). (1993). *Application of Immunobiosensors and Bioelectronics in Food Sciences and Quality Control*. Symposium conducted at the meeting of 53rd Annual Meeting of the IFT, Chicago, IL.

Service to Professional Associations

Member, Graduate Paper Competition Ad-Hoc Committee (Food Chemistry Division), IFT (1996–present).

Reviewer, Washington, D. C, United States Department of Agriculture, National Research Initiative Competitive Grant Program (NRICCIIP) (1993–present).

Reviewer for Abstracts, Chicago, IL, Annual Meeting Program Committee of the IFT (1990–present).

Invited Speaker, Beijing, China, BIT 3rd Annual International Congress of Antibodies (2011).

Co-Chair, BIT 3rd Annual International Congress on Antibodies (ICA-2011), Beijing, China, Track 1:9 (8.30-12.35) for the Antibody Characterization Technologies and Structure Biology (2011).

Co-Chair, BIT 3rd Annual International Congress on Antibodies (ICA-2011), Beijing, China, Track 4:5 (15.30-7.10) for Biomarkers and Antibodies for Agricultural and Food Applications (2011).

Member, Executive Committee, Toxicology and Safety Evaluation Division. IFT (2010–2011).

Invited Presenter, Hotel Le Meridien, Nice, France, Frontiers in Food Allergen Risk Assessment (2010).

Invited International Referee, Reviewed a research proposal entitled "International Collaboration in Chemistry: Defining the beta-Ara-Hyp Allergenic Epitope in Mugwort" submitted to NSF (solicitation NSF-09-608). NSF. ¶ The solicitation encouraged US researchers to partner with international counterparts in Austria, China, France, Germany, the United Kingdom, Luxemburg, Japan, Poland, and Spain, National Science Foundation (NSF), USA (2010).

Invited Speaker, Kottayam, Kerala State, India, Second International Conference on Natural Polymers and Biomaterials (2010).

Invited Speaker, Jointly conducted by IFT/ASN/IFIC Food and Nutrition Science Solutions Task Force. USDA, USDA Grant Writing webcast (2010).

Member, Executive Committee, Toxicology and Safety Evaluation Division. IFT (2009–2010).

Reviewer and Judge, IFT Graduate Research Paper Competition, Food Chemistry Division. IFT (2009–2010).

Reviewer and Judge, Reviewer and Judge for the IFT Graduate Research Paper Competition, Food Safety and Toxicology Division (2009–2010).

Jury Member, The committee selects the awardees from a national pool of undergraduate nominees. (The members serving on this national committee are appointed by the elected president of the IFT), Undergraduate Scholarship Committee. IFT (2008–2009).

Member, Chicago, IL, Annual Meeting Scientific Program Advisory Committee (AMSPAC) of the IFT (2007–2009).

Cochairman, 67th Annual Meeting of IFT, Chicago, IL, Technical Session 224, N426a, "Food Chemistry Oral Session 4: Analytical methods and flavors" (2007).

Cochairman, 66th Annual Meeting of IFT, Orlando, FL, Technical Session 110, S330D, "Food Chemistry Oral Session 2: Flavors, antioxidants, and bioactive agents" (2006).

Organizer, Annual Meeting of the IFT, Las Vegas, NV, Symposium on Seed Proteins (2004).

Chair, Industrial Scientist Award Committee. IFT (2003–2004).

Member, Industrial Scientist Award Jury. IFT (1999–2004).

Member, Committee on Sections and Divisions. IFT (2000–2001).

Chair-Elect, Food Chemistry Division of the IFT (2000–2001).

Member, Task Force on Nutraceuticals and Functional Foods, IFT (2000–2001).

Member, Committee on Diversity. IFT (1998–2000).

Chair and Jury, Graduate Paper Competition Ad-Hoc Committee (Food Chemistry Division), IFT (1996–1999).

Cochairman, 57th Annual Meeting of the IFT, Orlando, FL, Technical session "Food Chemistry: Proteins" (1997).

Member, Chicago, IL, Annual Meeting Program Committee of the IFT (1990–1997).

Founding Member, Executive Committee (Food Chemistry Division), IFT (1995).

Cochairman, 55th Annual Meeting of the IFT, Anaheim, CA, Technical session "Food Chemistry I" (1995).

Cochairman, 54th Annual Meeting of the IFT, Atlanta, GA, Technical session "Content of Foods and Food Constituents" (1994).

Reviewer, Ottawa, Canada KIA 1H5, Natural Sciences and Engineering Research Council of Canada (1993).

Cochairman, 53rd Annual Meeting of the IFT, Chicago, IL, Technical session "Thermal Processing" (1993).

Cochairman, 52nd Annual Meeting of the IFT, New Orleans, LA, Technical session "Proteins: Identification, Analysis, Methodology" and "Enzymes" (1992).

Reviewer, Washington, D. C, Research proposal for the National Science Foundation (1991).

Cochairman, 51st Annual Meeting of the IFT, Dallas, TX, Technical session "Proteins: Identification, Analysis, Methodology" (1991).

Cochairman, 50th Annual Meeting of the IFT, Anaheim, CA, Technical session "Food Proteins-Methods and Properties" (1990).

Invited Speaker, Raleigh, NC, NE-123 Meetings (1989).

Cochairman, 48th Annual Meeting of the IFT, New Orleans, LA, Technical session "Protein Chemistry" (1988).

Invited Speaker, Cambridge University (England) at the ARC in Babraham, Seminar on Calpains (1983).

Service to Other Universities

External Assessor, *University of the West Indies, St. Augustine Campus, Trinidad* (2011–present).

Reviewer for the Promotion (Full Professor) Binder, *University of Wisconsin, Madison, WI* (2007–present).

Reviewer for the Promotion (Full Professor) Binder, *University of California, Davis, CA* (2005–present).

Reviewer for the Promotion and Tenure Binder, *King Saud University, Saudi Arabia* (2004–present).

Reviewer for the Promotion and Tenure Binder, *University of Delaware, DE* (2004–present).

Invited Speaker, *Oregon State University, Corvallis, Oregon* (2003–present).

Scientific Reviewer, *College of Agriculture, Ohio State University, Columbus, Ohio* (2002–present).

Reviewer for the Promotion and Tenure Binder, *University of California, Davis, CA* (1999–present).

Reviewer for the research grant proposal, *Kentucky State University* (1989–present).

Reviewer for the Promotion (Full Professor) Binder, *Louisiana State University, Baton Rouge, LA* (2007–2008).

Course Director Invited to offer a short course (one week) on dry beans, *University of Irapuato, Mexico* (1985).

The Community

Invited Speaker, Different Undergraduate and Graduate classes within the College but outside the NFES Department (1989–present).

Invited Speaker, Different Undergraduate and Graduate classes within the NFES Department (1989–present).

Judge, Evaluation of bakery products at the North Florida Fair (1989–2011).

Invited Speaker, Adult Fitness Class (1995–2005).

Judge, Capital Regional Science and Engineering Fair (1992–2005).

Judge, McClay Middle School Science Fair (1993).

Participant, Minority Business Enterprise "Networking Fair" (1992).

Member, Whitney Fund Committee (1989–1992).

Additional Service Not Reported Elsewhere

Sathe, S. K. (2011). *Panel Member of the NIH, National Institute on Minority Health and Health Disparities Centers of Excellence (P20) Panel*. Bethesda, MD.

Sathe, S. K. (2010). *Invited Panel Member for the USDA Grant Writing nationwide webcast IFT/ASN/IFIC Food and Nutrition Science Solutions Task Force*. USDA.

- Sathe, S. K. (2010). *Member of the NP 306 Panel 5, USDA Intramural QSQR Reviews*. Beltsville, MD.
- Sathe, S. K. (2010). *Panel Member for the USDA NO 306 Panel 5- Functional Foods and Food Processing Technologies, Panel Review*. Beltsville, MD.
- Sathe, S. K. (2009). *Panel Member for Bush Brothers & Company Research Development and Innovation Vegetable Protein Summit*. Knoxville, TN.
- Sathe, S. K. (2009). *Panel Member for the NIH-National Institute of Allergy and Infectious Diseases Special Emphasis Panel ZAI1 SV-I-J1 1, "Exploratory Investigations in Food Allergy (R21)"*. Bethesda, MD.
- Sathe, S. K. (2009–2010). *Member of the Education, Business, and Professional Development Subpanel*. IFT.
- Sathe, S. K. (2009–2010). *Member of the Food Chemistry Core Science Subpanel*. IFT.
- Sathe, S. K. (2009–2010). *Member of the Food Safety and Defense Subpanel*. IFT.
- Sathe, S. K. (2008). *Panel Member of the NIH-National Institute of Allergy and Infectious Diseases Special Emphasis Panel, Council ZAI1 KS-I MI 1, "Exploratory Investigations in Food Allergy"*. NIH.
- Sathe, S. K. (2007). *Panel Member of the NIH RIMI Proposals*. Washington, D. C.
- Sathe, S. K. (2006). *Panel Member for the US Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel (FIFRA SAP) to review human health issues associated with the Cry 34Ab1 protein*.
- Sathe, S. K. (2002–2003). *Member of the functional Foods Expert Panel*. IFT.
- Sathe, S. K. (2000–2001). *Panel Member for the IFAFS Review Panel*. USDA, Washington, DC.
- Sathe, S. K. (1996). *Judge and Panel Chair of the IFT Student Association/Phi Tau Sigma/Proctor & Gamble Graduate Research Paper Competition (Food Chemistry/Biochemistry)*. 56th Annual Meeting of the IFT, New Orleans, LA.