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A. Professional Preparation:

Louisiana State University, Baton Rouge, Ph.D. in Plant Health and Biochemistry, 1991
Tamil Nadu Agricultural University, Coimbatore, India, M.Sc.(Ag) Agronomy, 1980
Tamil Nadu Agricultural University, Coimbatore, India, B.Sc.(Ag) Agriculture, 1978

B. Appointments

1996 - Present - Senior Lecturer and Research Fellow, School of Biological Sciences, UT Austin
1992 - 96- Lecturer, School of Biological Sciences, UT Austin
1992 - Present - Independent Research Study Supervisor, School of Biological Sciences, UT Austin
1990 - 1992 and summer 07, 08 - Research Associate, School of Biological Sciences, UT Austin
1985 - 1990- Graduate Assistant, Louisiana State University, Baton Rouge.
1983- 1985 - Product Manager, Acetanilide, Monsanto Singapore, Private Ltd.
1980 – 1983 – Product Development Executive, Monsanto India, Private Ltd.

C. Synergistic Activities, Awards and Honors

- Gold award from the Innovative Instructional Technology Awards Program by UT Austin for the Quest Learning and Assessment System: Lead and Biology Coordinator. 2009
- Faculty Service Award, 2007: Natural Sciences Council, College of Natural Sciences, The University of Texas Austin
- Texas Exes Teaching Award, 2006: College of Natural Sciences, The University of Texas Austin
- Dad’s Centennial Teaching Fellowship Award, 2005. The University of Texas Austin
- Teaching Excellence Award, 1999: School of Biological Sciences. The University of Texas at Austin.
- United States Patents awarded for the mutant ALS gene which could confer 100-fold resistance to imidazolinone herbicides. 1998 and 2000.
- Prentiss E. Schilling Award for the Outstanding Dissertation in the College of Agriculture, Louisiana State University. 1992.

D. Research Grants

- Awarded DARPA contract to develop jet fuel from algal oils in the team led by Science Applications International (SAIC). Lead PI for UT Austin with a total team award of \$2.35 Million for Phase I, 2009 – 2010. CoPIs, Kerry Kinney (EWRE), Mike Werst (CEM) and Frank Seibert (SRP), University of Texas at Austin.

- Undergraduate Research Fellowships for over 25 of my students from the University of Texas and University CoOp Society. 2004-2009, a total of approximately \$30,000.
- Support Grant from McGraw-Hill publications and W.H. Freeman to develop biology home work service data bank for introductory biology major course 2004-2006.
- Collaborative research project with Brazil on the effect of herbicides on the soil microorganisms. 2002-2007.
- Awarded a Department of Energy Grant for \$ 261,000 for a period of 3 years to study cellulose biosynthesis in *Arabidopsis thaliana*, as a Co P.I. with Dr. R. Malcolm Brown, Jr. (1994 - 1997).

E. Selected publications

1. Novel ESTs from a Jute (*Corchorus olitorius* L.) cDNA Library, 2007. Mohamad W. Wazni, Ahmad S. Islam, J. Matthew Taliaferro, Nabila Anwar and K. Sathasivan. *Plant Tissue Cult. & Biotech.* 17(2): 177-186.
2. Procedure to Identify and Submit cDNA Sequences to GenBank. 2007. Britton GL, Islam AS, Xuan Y and Sathasivan K, *Plant Tissue Cult. & Biotech.* 17(2): 165-176.
3. Preliminary Progress in Jute (*Corchorus* species) Genome, 2005. Islam AS, Taliaferro JM, Lee CT, Ingram CI, Montalvo RJ, Van der Ende G, Alam S, Siddiqui J and Sathasivan K Analysis. *Plant Tissue Cult. & Biotech.* 15(2): 145-156.
4. A rapid method for high quality RNA isolation from jute: *Corchorus capsularis* and *C. olitorius*. 2004 Farhan Khan, Ahmad Islam and K. Sathasivan. *Plant Tissue Cult.* 14:63-68.
5. RNA interference and its applications in crop improvement. 2004. Matt Williams, Gregory Clark, K. Sathasivan and Ahmad Islam. *Plant Tissue Cult.* 14:79-99.
6. Clark, G., K. Sathasivan and A. S. Islam, 2003. Valuable Internet Resources for Plant Molecular Biology Research. *Plant Tissue Cult.* 13: 85-97.
7. Mehdy, M., Y.K. Sharma, K. Sathasivan and N.W. Bays, 1996. The role of activated oxygen species in plant disease resistance. *Physiol. Plantarum* 98:365-374.
8. Mehta, N., K. Sathasivan and R.M. Brown. 1996. Characterization of a full length annexin cDNA from *Arabidopsis thaliana*. *Plant Physiol.* 111:148.
9. Shet, M., K. Sathasivan, M.A. Arlotto, M.C. Mehdy and R. Estabrook. 1993. Purification, characterization and cDNA cloning of cytochrome P-450 reductase from mung bean. *Proc. Natl Acad. Sci. U.S.A.* 90: 2890-2894.
10. Sathasivan, K., G.W. Haughn and N. Murai. 1991. The molecular basis of imidazolinone herbicide resistance in *Arabidopsis thaliana* var. Columbia. *Plant Physiology.* 97:1044-1050.
11. Sathasivan, K., G.W. Haughn and N. Murai. 1990. Nucleotide sequence of a mutant acetolactate synthase gene from imidazolinone-resistant *Arabidopsis thaliana*. *Nucleic Acids Research.* 18:2188.

F. Patents

K. Sathasivan and N. Murai, Louisiana State University. Two patents issued; one in 1998 and another in 2000 for a mutant acetolactate synthase gene from *Arabidopsis thaliana* conferring imidazolinone herbicide resistance.