

DEEPAK SHANTHARAJ

Department of Entomology and Plant Pathology
Rouse Life Sciences Building, Auburn University, Auburn, AL 36849.
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PROFESSIONAL PREPARATION

Doctor of Philosophy, Biotechnology

Sept 2002- Mar 2008; Downy Mildew Research Laboratory, Department of Studies in Biotechnology, University of Mysore. In collaboration- Department of Bioorganic Chemistry, Max-Planck Institute of Chemical Ecology. (Funding Agency: DST-JRF; CSIR-SRF; DAAD; ICAR).

Thesis: Hydroxyproline-rich glycoproteins in pearl millet their role in defense against Downy Mildew disease.

Master of Philosophy, Seed Technology

Aug 2001-Aug 2002; Department of Studies in Biotechnology, University of Mysore.

(Funding Agency: Danish Government Institute of *Seed Pathology, following ISTA regulations*).

Thesis: Effect of chemical and Biological Dosage on Seed quality of Paddy and Sorghum.

Master of Science, Botany

Jun 1999-Jun 2001; Department of Studies in Botany, University of Mysore.

Specialization: Angiosperm-Morphology, Morphogenesis, and Tissue Culture.

Bachelor of Science, Majors- Chemistry, Botany, Zoology

Jun 1996- Jun 1999; Yuvaraja's College, University of Mysore.

APPOINTMENTS

Research

Dec 2024-Till date	Research Fellow: Auburn University, Department of Entomology and Plant Pathology. Area: Plant microbiome interactions
Aug 2019-Dec 2023	Postdoc: Auburn University, Department of Entomology and Plant Pathology. Area: Fastidious phyto bacteria, Plant disease Management, PGPR characterization
Aug 2016- Oct 2018	Postdoc: Auburn University, Auburn, Department of Biological Sciences Area: Soil Microbiome
May 2011-Mar 2016	Postdoc: University of Florida, Plant Pathology Department Area: Citrus transgenics, Xanthomonads pathogenesis
Jun 2010- Apr 2011	Postdoc: University of Delaware, Dept. of Plant & Soil Sciences Area: Rice Microbiome, Bioremediation
Sep 2009-May 2010	Postdoc: University of Minnesota, Dept. of Plant Biology Area: Photobiology, Seed development
Oct 2008- Aug 2009	Postdoc: University of South Carolina, Dept. of Biological Sciences Area: Plant signal transduction

Teaching

Spring 2022, 2023, 2024	Lab instructor, PLPA 3000, Auburn University, Department of Entomology and Plant Pathology.
Fall 2021	Co-instructor, PLPA 3000, Auburn University, Department of Entomology and Plant Pathology.
Spring 2020, 2022	Guest lecturer, PLPA 5300/6300, Auburn University, Department of Entomology and Plant Pathology.
Fall 2019	Lead instructor, BIOL 1000/2011/3011, Auburn University Montgomery, Department of Biology and Environmental Science.
Summer 2017	Lead instructor, Biol 3200: Auburn University, Department of Biological Science.
Spring 2013 & 2014	Guest lecturer, PLP6241: University of Florida, Plant Pathology Department.

SYNERGISTIC ACTIVITIES

Member: American Phytopathological Society, American Society of Plant Biology, American Society for Microbiology, American Association for the Advancement of Science