

Name: Mrs. Mrunal Sarang Damle. M. Sc., NET (Plant Sciences)

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Current profile: Assistant Professor (Since 2016 till date), Department of Biotechnology, MES Abasaheb Garware College, Pune.

Fellowships:

2003-2005: Junior Research Fellowship from CSIR, New Delhi

2005-2008: Senior Research Fellowship from CSIR, New Delhi

Projects:

1. Worked as Project Assistant on the project (August 2000- December 2003) “Development of Transgenics in four major crops, viz., Mungbean, Rice, Tomato, Cotton for insect resistance” funded by Department of Biotechnology, Government of India, at Plant molecular biology Unit, Division of Biochemical Sciences, National Chemical Laboratory, Pune, India.
2. Worked as a exchange visitor, research scientist, (August 2004- April 2005) in USDA, Johnson Hall, Washington State University, Pullman, Washington State, USA, under the guidance of Dr. Fred J. Muehlbauer, Dr. Vincent R. Fransceschi, Dr. Mechthild T. Tegeder, Dr. Kevin McCaffee, Dr. P. N. Rajesh, on the project “Development of transgenic chickpea and tomato resistant to *Helicoverpa armigera* using PtCI-5 and PtCI-2 as transgenes”.

Publications:

1. Damle MS, Giri AP, Sainani MN, Gupta VS (2005). Higher accumulation of proteinase inhibitors in flowers than leaves and fruits as a possible basis for differential feeding preference of *Helicoverpa armigera* on tomato (*Lycopersicon esculentum* Mill, Cv. Dhanashree). Phytochem. 66: 2659–2667.
2. Damle MS, Giri AP, Rajesh PN, Telang MA, Muehlbauer FJ, Tegeder MT, Fransceschi VR, Gupta VS, *Agrobacterium*-mediated transformation of Chickpea (*Cicer arietinum* L, Cv. Vijay) with winged bean proteinase inhibitor gene (*PtWCI*) for developing tolerance against *Helicoverpa armigera*, MS submitted to Proceedings of IFLRC-2005, New Delhi.

Teaching experience:

1. Worked as Visiting faculty (2004-2005) at Biotechnology department, Tilak Maharashtra Vidyapeeth
2. Worked as Assistant professor (2011-2013) in Biotechnology Department, VPASC, Baramati.

Subject Expertise:

1. Plant Sciences, Plant Development, Genetics, Plant Tissue Culture, Plant Biotechnology.

Co-Curricular Work Experience:

1. Working as Laboratory technician in Central Instrumentation Facility and DST-FIST sponsored laboratory at MES Abasaheb Garware College. Handling and maintenance of X-Ray Diffractometer, GC, HPLC, UV- Spectrophotometer, Cyclic Voltmeter.
2. Worked as resource person in four consecutive batches of “Certificate course in Instrumental methods of analysis” from 2018-2020

