

Name of the Faculty : **Dr. (Mrs.) Anjali Abhay Kulkarni**

Designation : Assistant Professor

Date of Birth : 3rd December 1969

Qualifications : M.Sc. (Botany), CSIR-NET, Ph.D. (Biotechnology) from National Chemical Laboratory, Pune.



Research Interests : Medicinal Plants, Secondary and Primary Metabolites, Development of Pharmaceutically Important Lead Molecules, Proteomics, Plant Tissue Culture, Plant Genetic Engineering, Plant Molecular Biology.

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List of important recent publications: (Last 5 years)

1. Anjali A. Kulkarni, S. M. Kelkar, M. G. Watve and K. V. Krishnamurthy, "Characterization and control of endophytic bacterial contaminants in in vitro cultures of Piper spp., Taxusbaccata subsp. wallichiana, and Withaniasomnifera" Canadian Journal of Microbiology 53 (2007) 63-74. IF 1.37
2. T. M. Bhave, Y. S. Bhide, S. V. Bhoraskar and Anjali A. Kulkarni, "Nanoparticle Based Drug Delivery System for Treating Diseases Caused by Mycobacterial Agents". Indian Patent No. 1513/MUM/2009.
3. Anjali A. Kulkarni and Swati M. Kelkar, "Identification of Plants with Strong Alpha-Glucosidase and Alpha-Amylase Inhibitory Activities. Indian Patent No. 3386/MUM/2011.
4. Anjali A. Kulkarni, "Identification of Plants with Insulin-like Peptides". Indian Patent No. 3387/MUM/2011.
5. Bimba N. Joshi*, Hitendra Munot, Manasi Hardikar and Anjali A. Kulkarni*, "Orally active hypoglycemic protein from Costus igneus N. E. Br.: An in vitro and in vivo study". Biochemical and Biophysical Research Communications. DOI: <http://dx.doi.org/10.1016/j.bbrc.2013.05.093> (2013). * Equal Contribution. IF 2.5
6. Tejashree Bhave, Harshada Babrekar, Yogesh Bhide, V. Ganesan, Sonali Sanghavi, S.V. Bhoraskar and Anjali Kulkarni, "Synthesis of biocompatible nanoparticle drug complexes for inhibition of mycobacteria". ANSN Issue 4, volume 4, (2013). Accepted Manuscript, doi:10.1088/2043-6262/4/4/045015 IF 1.5

Ongoing Research Projects:

Department of Biotechnology (DBT) – BioCARE Grant – RGO Programme, 'Isolation and Characterization of Insulin-like Peptides from Plants' (2012-2015)

Awards (Last 5 years):

Awarded a "North-South Dialogue Fellowship" for post-doctoral research at Austria by Austrian Govt. (OAD) (2008-2009). The fellowship was not availed due to health reasons.