

Dr. Vijay N. Waghmare

Assistant Professor & Head

Department of Biotechnology,
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Academic Qualifications:

Ph.D. (Life Sciences) 2013: University Department of Life Science, University of Mumbai, Mumbai, India.

Thesis Title: "Ecological and Genetic Characterization of Some Bamboo Species for Their Role in Mitigating Climate Change and as a Source of Livelihood Security".

CSIR-NET: LS/JRF in Life Sciences [Four Times] 2003-2008: Organized by Joint UGC-CSIR, Government of India.

SET (State Eligibility Test) for Lectureship 2004: Organized by University of Pune, Maharashtra, India.

M.Sc. (Botany) 2002: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India

B.Sc. in (Botany; Zoology and Chemistry) 2000: Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, India

Professional Experience:

Assistant Professor: August 2004- Present, Department of Biotechnology, Bharatiya Vidya Bhavan's, Bhavan's College, Andheri (West) Mumbai-400 058 India

Teaching to Graduate Students: Cell-Biology; Genetics; Immunology; Plant and Animal Biotechnology; Molecular Biology; Genetic Engineering.

Research Specialization (major scientific fields of interest(s):

1. Genetic Characterization of Plants
2. Genomics and Proteomics
3. Plant Biotechnology: Gene transfer and Transgenic Plants
4. Molecular Biodiversity of Plant

Teaching Experience: 10 Years

Research Experience: 5 Years

Administrative Experience:

Head of Department: July 2008 – Present: Department of Biotechnology, Bharatiya Vidya Bhavan's, **Bhavan's College, Andheri** (West) Mumbai-400 058 India.

Invited lectures/resource person:

Delivered speech on "How to Prepare for NET/SLET Exams of UGC-CSIR in Life Sciences" at: Institute of Science, Mumbai; Shivaji University, Kolhapur; Y.C. College, Karad, Satara Dist, MS; Vaze Kelkar College Mumbai; Deogiri College, (Dr. B.A.M.U. Aurangabad); Shri Shivaji Vidya Prasarak Mandal, Dhule; North Maharashtra University, Jalgaon and Several Other Departments/ Universities in India.

Delivered speech on "Special Aspects of: Translation/ Transcription/ DNA Replication; Recombinant DNA Technology; Genetic Engineering of Plant; etc." at various University and College Departments.

Author:

1. Principles of Biotechnology, Mudra Publication, Mumbai
2. Life Sciences for NET-SET Exams of UGC-CSIR (5 Major Volumes)
(Available for students in 37 Books: by Mudra Life Sciences, Mumbai)
3. General Aptitude for NET/SET Exams of UGC-CSIR

Publications in reviewed National/International Journals:

1. **Waghmare Vijay N.** and Bagde Uttamkumar (2013): Random amplified polymorphic DNA based genetic characterization of four important species of Bamboo, found in Raigad district, Maharashtra State, India. *African Journal of Biotechnology*. Vol. 12(28), pp. 4446-4452, 10 July, 2013.
2. **Waghmare Vijay N.** and Bagde Uttamkumar (2013): Genetic Characterization By PCR-RAPD of Four Important Species of Bamboo, Found in Sindhudurg District, Maharashtra State, India. *Asian Jr. of Microbiol. Biotech. Env. Sc.* Vol.5, No. (1) : 2013 : 21-26.
3. **Waghmare Vijay N.** and Bagde Uttamkumar (2013): Evaluation of the Genetic Variability of Four Important Species of Bamboo, Using RAPD Markers, Found in Ratnagiri District, Maharashtra State, India. *National Journal of Life Science*, Vol. 9(2) 2012 : 137-141
4. **Waghmare Vijay N.** and Bagde Uttamkumar (2013): Ecological and Genetic Characterization of Four Important Species of Bamboo, Found in Thane District, Maharashtra State, India. *American Bamboo Society (Communicated)*.
5. Patil,R.C., **Waghmare,V.N.**, Wavhal,S.D., Khobragade,R.M., Sonargharse,P.C. and Mandavkar,S.S (2011): Isolation of bacteria from hot springs, *Bacillus* sp. RCPHS1 gene for 16S rRNA, partial sequence. LOCUS AB675513 507 bp DNA linear BCT 19-OCT-2011, Submitted (14-OCT-2011) to the DDBJ/EMBL/GenBank databases.