

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



DR.GANESH DEEPAK MANKAR

Assistant Professor

Department of Botany

Highest Qualification: Doctor of Philosophy (Ph. D.) in Botany

Specialization: Plant Physiology

Official College Email:

PROFESSIONAL SNAPSHOT

Dr. Ganesh Deepak Mankar is a Botany academic specializing in **Plant Physiology, Advanced Genetics and Plant Breeding**. He holds a B. Sc., M. Sc., and Ph.D. in Botany from Savitribai Phule Pune University and has over 8 years of combined teaching and research experience. His academic and research focus includes **biostatistics, plant stress physiology, salinity tolerance, plant biochemistry, Green extraction chemistry, and molecular biology**. He has contributed to several national and international research publications.

EDUCATION

Qualification	University / Institution	Year
Ph.D. Botany (Plant Physiology)	Savitribai Phule Pune University	2022
M. Sc. Botany (Advanced genetics and plant breeding)	Savitribai Phule Pune University.	2014
B. Sc. Botany	Savitribai Phule Pune University.	2012
H.S.C. Science	Maharashtra State Board	2009
S. S. C	Maharashtra State Board	2007

TEACHING & ACADEMIC INTERESTS

- Plant Physiology, Molecular biology, cell biology, Genetics, Plant biotechnology, Biostatistics, Botanical techniques

RESEARCH & PUBLICATIONS

Research Area: **biostatistics, plant stress physiology, salinity tolerance, plant biochemistry, Green extraction chemistry and molecular biology**

Selected Publications:

1. **Mankar, G. D.**, Sontakke, O. P., Shelar, P. V., Wayase, U. R., Ahire, M. L., Salunke, T. R., ... & Barmukh, R. B. (2026). Thiourea priming promotes coordinated redox, osmotic and ionic adjustments associated with improved salt tolerance in *Vigna radiata* (L.) R. Wilczek. *Discover Plants*, 3(1), 352.
2. Sontakke, O. P., Salunke, T. R., Bhosale, K. S., Kenjale, P. A., Ahire, M. L., & **Mankar, G. D.***(2025). Decoding the Plant-Microbiome Dialogue under Heavy Metal Stress. *Symbiosis*, 97(1), 1-33.

3. Zimare, S. B., **Mankar, G. D.**, & Barmukh, R. B. (2021). Optimization of ultrasound-assisted extraction of total phenolics and flavonoids from the leaves of *Lobelia nicotianifolia* and their radical scavenging potential. *Current Research in Green and Sustainable Chemistry*, 4, 100109.

Total Publications 17. (International- 13, National- 4)

All papers are in SCOPUS, UGC-listed and Peer reviewed journals. 7 Papers in Springer 2 Papers in Elsevier Citations 132, h index 7, i 10 index 5

Research Profile: Orcid id- <https://orcid.org/0000-0001-9809-9616>

Google scholar- https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=-WOTO6kAAAAJ

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT

- **Achievements**

- Qualified **CSIR-NET-JRF** with **AIR 28** (June 2016)
- Qualified **CSIR-NET** for Lectureship with **AIR 36** (June 2015)
- Qualified **Indian Council of Agriculture Research** National Eligibility Test (**ICAR- NET 2014**).
- Qualified **MAHARASHTRA SET** for Lectureship (January 2018)
- Qualified **Graduate Aptitude Test in Engineering (GATE- 2015)**.
- Qualified **TIFR** and **BARC- OCES** Exams and selected for interview
- **1st rank in B. Sc. Botany** at Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune- 411005.
- **3rd rank in M. Sc. Botany** at Department of Botany, Savitribai Phule Pune University, Pune-411007
- **Research Fellow (CSIR / DST-SERB):** Modern College / SPPU 2015 – 2022.

- **Patent**

(Application No. 465272-001, CBR No. 214708) Design patent Title: Solar Powered Indoor Air Purification Device Using Plants & Algae

- **FDP**

MS-DEED Level 1 Workshop : 'A Faculty Development Programme on Introduction to Innovative Pedagogies for College Teachers' during **28th July 2025 to 2nd Aug 2025** at **Modern Education Society's Nowrosjee Wadia College (Autonomous), Pune** conducted by IISER Pune and supported by MSFDA.

ACADEMIC RESPONSIBILITIES

- He is involved in academic administration and examination-related responsibilities, including question paper setting, assessment and evaluation, paper checking, and examination supervision duties assigned by the college. He actively participates in departmental and institutional activities that support student development and academic quality assurance.