◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE

Prabhavati Sushant Shinde

Assistant Professor • Biotechnology

Highest Qualification: M.Sc, pursuing PhD

Specialization: Biotechnology

Official College Email: prabhavatishinde@nowrosjeewadiacollege.edu.in

PROFESSIONAL SNAPSHOT

A targeted Biotechnology Researcher and Educator with 10 years of teaching experience, strong academic credentials and doctoral research in progress, specializing in clinical microbiology, antibiofilm assays, and plant-based therapeutics for wound care. Demonstrate an established track record of peer-reviewed publications in international journals, award-winning conference presentations to drive impactful research and deliver excellence in higher education.

EDUCATION

Qualification	University / Institution	Year
B.Sc Biotechnology	Shivaji University, Kolhapur	2008
M.Sc Biotechnology	Shivaji University, Kolhapur	2010
Pursuing PhD	Bharati Vidyapeeth, Pune	
CSIR-UGC NET	CSIR-UGC	2016
SET	conducted by Savitribai Phule Pune University as State Agency	2018
GATE		2017

TEACHING & ACADEMIC INTERESTS

• Biochemistry • Recombinant DNA technology • Genomics and Proteomics • Metabolism

RESEARCH & PUBLICATIONS

Research Area: Biotechnology, Clinical microbiology

Selected Publications:

- **Shinde, Prabhavati** & Jaiswal, Shraddha & Tale, Vidya & Khilari, Shobha. (2026). Phytochemical Profiling and Bioactivity Assessment of Traditional Medicinal Plants as Innovative Therapeutics for Wound Care Applications. Pharmacognosy Research. 19. 252-263. 10.5530/pres.20270169.
- Jaiswal, Shraddha Rajesh, **Prabhavati Sushant Shinde**, and Vidya Sunil Tale. "Biofilm Formation and Antibiotic Susceptibility Patterns in Contact Lens-Associated Bacteria." *Korean Journal of Ophthalmology: KJO* 40.3 (2026): 247.
- **Shinde, Prabhavati**, Shraddha Jaiswal, and Vidya Tale. "Temporal Profiling of Extracellular Polymeric Substances Associated with Biofilm Formation in Bacteria Isolated from Wound Infection." *Journal of Pure & Applied Microbiology* 19.2 (2025): 1174.
- Jaiswal, Shraddha, **Prabhavati Shinde**, and Vidya Tale. "Recent nanotechnological trends in the management of microbial keratitis." *Journal of Ophthalmic & Vision Research* 19.4 (2024): 476.

Research Profile: ORCID: https://orcid.org/0009-0008-5835-3008

Google Scholar : https://scholar.google.com/citations?user=rwTpCawAAAAJ&hl=en

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT

Conferences attended:

- Poster entitled “Investigation of biofilm formation and Extracellular Polymeric Substances production in bacteria isolated from wound infection” presented in International Conference on Biology Beyond Boundaries dated 29th to 31st January 2024 organized by Savitribai Phule Pune University Department of Biotechnology
- Oral presentation on topic “Evaluation of Antibiofilm Potential of *Symplocos racemosa* using *in vitro* and *in* silico studies” presented at International Conference On *Biosciences For Harmony with Nature (ICBHN-2025)* Organized by M.C.E Society's Abeda Inamdar Senior College, Department of Microbiology , won first prize.

FDP:

- FDP arranged by ATAL Faculty Development ProgramIntellectual Property Rights: Protecting and Commercializing Inventions" conducted at Bharati Vidyapeeth (Deemed To Be University) College of Engineering, Pune, Maharashtra, India from 10th February 2025 to 15th February 2025.
- MS-DEED Level 1 In-Person Workshop on Introduction to Innovative Pedagogies for College Teachers organized during 28th July 2025 to 2nd August 2025 at Modern Education Society’s Nowrosjee Wadia College (Autonomous), Pune conducted by Indian Institute of Science Education and Research Pune (IISER Pune) and supported by the Maharashtra State Faculty Development Academy (MSFDA).
- EduRise Faculty Induction Program conducted by the Maharashtra State Faculty Development Academy (MSFDA) during 3rd November 2025 to 30th November 2025 at MES Wadia College of Engineering, Pune