

Ms. Nikita Mahashabde

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Professional Summary

Motivated and diligent Biotechnology professional with research and teaching experience in academic and research institutions. Committed to contributing to the scientific community through research, teaching, and continuous learning.

Academic Position

Assistant Professor (Department of Biotechnology & Microbiology)

VPM's B.N. Bhandarkar College of Science, Thane

July 2024 – April 2025

- Taught undergraduate courses in Biotechnology, including laboratory practical sessions.
- Mentored students in research project and academic writing.
- Delivered lectures on microbiology, molecular biology, and plant tissue culture techniques, environmental biotechnology.

Research Experience

1) Project Fellow (DST INSPIRE Scheme)

National Agri-Food Biotechnology Institute (NABI), Mohali

April 2023 – October 2023

- Conducted research in agri-food biotechnology under DST INSPIRE Fellowship.
- Executed experiments related to molecular biology, genetic transformation, and aseptic techniques.

2) Project Fellow (DST INSPIRE Scheme)

University of Mumbai, Mumbai

January 2022 – March 2023

- Worked on a funded project focusing on genetic and molecular aspects of biotechnology.
- Gained expertise in molecular biology protocols, plant tissue culture, and data interpretation.

Research Projects

- M.Sc. Dissertation: Functional Foods in Health and Nutrition
 - Conducted a literature review on the effects of functional food (jaggery) on various toxic agents.
 - Evaluated the advantages of fortified functional foods for health benefits.

- Undergraduate Research Project: Pilot Study for Mitigation of Municipal Solid Waste Management through Development of Potential Composting Microbial Consortium
 - Designed and evaluated microbial consortia for enhancing municipal solid waste composting efficiency.

Education

Degree	Institute	Year of passing
M.Sc. Biotechnology	University of Mumbai	2021
B.Sc. Biotechnology	K.J. Somaiya College of Science and Commerce	2019
HSC	Maharashtra State Board	2016
SSC	Maharashtra State Board	2014

Skills

- Strong teaching and academic mentorship abilities
- Expertise in aseptic techniques and microbiological methods
- Proficient in molecular biology, genetic transformation, and plant tissue culture techniques
- Skilled in microscopy and sterile laboratory work
- Adaptability and eagerness to learn emerging scientific techniques
- Effective communication and organizational skills

Publication

Negi, S., Mahashabde, N., Bhakta, S., Singh, S., & Tak, H. (2024). Promoter of COR2-like gene is a stress-inducible regulatory region in banana. Transgenic Research, 1–15.