

# Purvi Shah

Assistant Professor,  
Department of Biotechnology and Microbiology  
V.P.M.'s B.N. Bandodkar College of Science (Autonomous)



## Professional Experience

July 2015 – Present (~10 years)	Dept. of Biotechnology & Microbiology, V.P.M.'s B.N. Bandodkar College (Autonomous)
July 2015 – May 2017	Dept. of Biodiversity & Wildlife Conservation, Dept. of Interdisciplinary Science, V.P.M.'s B.N. Bandodkar College (Autonomous)
Aug 2014 – May 2015	Dept. of Biotechnology, K.J. Somaiya College of Science & Commerce
Feb 2015 – Apr 2015	Nursing Dept., Fortis Institute of Nursing

## Special Achievements

- ❄ CSIR-UGC NET – AIR 23 (Dec 2016)
- ❄ SET Qualified – May 2016

## Academic Qualifications

B.Sc. (Biotechnology)  
K.J. Somaiya College, Vidyavihar  
73.37%

B.Ed.  
DGET's College of Education, Thane  
GPA: 8.39/10

M.Sc. (Biotechnology)  
Birla College, Kalyan  
GPA: 6.69/7

Diploma in Software  
Programming – 87%  
MS-CIT Certification

## Research Publications & Review

- ❄ Tilak A., Shah P., More A., Dubey V., Rai A., Lad M. (2025) Exploring the bioremediation potential of chromium tolerant bacteria. J-BNB, A multidisciplinary Journal, 13, 100-104
- ❄ Pawar J., Mulye K., Shah P. & Yadav L. (2022, January) Study of select isolates from Vetiver root microbiota as potential immobilized biofertilizer. National Conference on Microbiome: The Story Untold!, 26-34.
- ❄ Pawar J., Mulye K., Shah P. (2017, January) Isolation of Endophytic and Rhizospheric PGPR using Nutrient Limiting Plant Based Culture Media. International Conference on Emerging Technologies for Sustainable Agriculture.
- ❄ Submitted two 16S rRNA sequences in ENA database: (LT984793; LT984792)
- ❄ Reviewed a research paper in Asian Journal of Soil Science and Plant Nutrition in Feb '25

# Awards & Recognitions

- ❄️ 1<sup>st</sup> Rank – Oral Presentation on ‘Study of select isolates from Vetiver root microbiota as potential immobilized biofertilizer’ at Microbiome Conference (2022)
- ❄️ 2<sup>nd</sup> Rank – M.Sc. (Biotech)
- ❄️ 2<sup>nd</sup> Rank – S.Y.B.Sc. Biotech Subject; 1<sup>st</sup> in Botany Subject
- ❄️ 1<sup>st</sup> Rank – F.Y.B.Sc. Biotech and Botany Subject

# Academic & Administrative Contributions

## ❄️ Organizing Member ❄️

- 25–28 Feb 2025 ● Svativ: Celebrating success of GenomeIndia Project- Guided students for poster presentation, games, and model-making activities.
- 26 Mar 2025 ● Eat Right Mela
- 27 Sep 2024 ● NEP Workshop
- 7–8 Jan 2022 ● Two Day National Conference on ‘Microbiome: The Story Untold!’
- 6-7 Jan 2017 ● Two Day International Conference on ‘Emerging Technologies for Sustainable Agriculture ‘
- 20 Aug & 19 Nov 2016 ● Preconference Workshop
- 2018-2024 ● Swaranjali

# ❄️ Resource Person / Expert ❄️

- 25 Jan 2025 ● ‘From Data to Display: Crafting Impactful Scientific Poster’ - Second Pre-conference workshop for the National Conference on Eco Pulse
- 31 Aug 2024 ● Career guidance session
- 10 Dec 2022 ● ‘Unravel the DNA sequence’ 2<sup>nd</sup> Preconference Workshop
- 2021 ● Faux Calligraphy Course under ASC
- 2018-2025 ● Certificate course on Molecular Biology Basic & Advanced
- 2018-2025 ● Swaranjali
- 2017 ● Parallel Pen Calligraphy Course under NIPUN

# ❄️ Academic Guidance ❄️

- ❄️ Avishkar Mentoring (2017–18, 2020–21, 2024–25)
- ❄️ UG Research Projects (PGPR, Biostatistics, Bioremediation, Water analysis, Probiotics etc.)

# ❄️ External Academic Roles ❄️

- ❄️ External Practical Examiner (T.Y.B.Sc.), Various colleges under Mumbai University
- ❄️ Paper Moderator (M.Sc., T.Y.B.Sc.), SIES college & Somaiya University
- ❄️ Paper Setter, F.Y.B.Sc., D.Y. Patil University

## ❄ Curriculum Development ❄

Syllabus reframing under Autonomy & NEP for  
FY/SY/TY B.Sc Biotechnology & Microbiology

## ❄ Committee Memberships ❄

- ❄ DLLE, IQAC, Admission, Mentor Cell, Exam, Placement, Cultural, NSS, Attendance, Journal and Movie Club
- ❄ Co-Coordinator: Innovation Corner (2023–24)

## Faculty Development Programs (FDPs) Attended

- ❄ R Language – Auxilium College (May 2020)
- ❄ Offline to Online Teaching – Dnyanasadhana College (May–June 2020)
- ❄ E-content Creation – IIDE (June 2020)
- ❄ On-Screen Marking – University of Mumbai (Apr 2017)

## Conferences & Seminars Attended

- ❄ Ardhrabhumi (Intl. Conference, Feb 2016)
- ❄ Life Safety: Today and Tomorrow (Natl. Conference, Dec 2016)
- ❄ Scientific Writing Conference (Jan 2016)
- ❄ Seminar: Necroptosis, Toxicology, Stem Cells, Industry-Academia Biotechnology Talks (2015–16)

## Workshops, Trainings & Certifications

- ❄ Molecular Docking – IOS & DevResearch (June 2025)
- ❄ Metagenomics – Jai Hind College (Jan 2020)
- ❄ Immunological Techniques – KC College (July 2019)
- ❄ Bioinformatics – Zoeacs Pvt. Ltd. (June 2020)
- ❄ Research Based Pedagogy – Palghar College (June 2019)
- ❄ SPSS Workshop – Univ. of Mumbai (Feb 2019)
- ❄ Research Methodology – BRIMS (2016–17)
- ❄ HPTLC Training – Anchrom (Mar 2022)
- ❄ Underwater Awareness – Univ. of Mumbai (Mar 2019)
- ❄ Analytical Techniques Seminars – 2010–2012

## Hobbies & Interests

Brush Pen, Pointed Pen, Faux & Parallel Pen  
Calligraphy, Graphic Designing, Rangoli Art, Floral  
Painting, Listening to Music, Travelling