

## **Alisha Shaikh**

### **Assistant Professor**

Modern College of arts, science and commerce (Autonomous),

Ganeshkhind, Pune - 16

Email: [aishas2309@gmail.com](mailto:aishas2309@gmail.com)

### **Education**

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- Pursuing PhD Biotechnology, Modern College, Ganeshkhind, Pune 2022-Present  
Topic: Exploring nanomaterials for drought stress alleviation and enhancing crop productivity in mungbean
- MSc Biotechnology, Modern College, Ganeshkhind 2021  
Distinction: 86.70%  
Dissertation: Isolation, Screening and enzymatic characterization of organic solid waste degrading bacteria.
- BSc Biotechnology, Dr. D.Y. Patil ACS college, Pimpri 2019  
Distinction: 73.45%

### **Experience**

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- Assistant Professor Sep 2022- May 2023  
Department of Biotechnology, Modern college, Ganeshkhind

### **Exams Qualified**

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- MH-SET 2023
- GATE Biotechnology 2021, AIR- 1685, GATE score- 379
- GATE Life Sciences 2021, AIR- 2067, GATE score- 433
- PET Biotechnology 2021
- JAM Biotechnology 2019, AIR- 916
- JAM Biological Science 2019, AIR- 655
- Combined Entrance Examination for Biotechnology (CEEB) 2019, Rank- GEN: 384

## Publications

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- Shaikh, A., Jamla, M., Joshi, S., Patil, S., Oak, U., & Kumar, V. (2024). Microbial Nanotechnology for Producing Stress Smart Crops. *Plant Nano Biology*, 100063. <https://doi.org/10.1016/j.plana.2024.100063>
- Joshi, S., Patil, S., Shaikh, A., Jamla, M., & Kumar, V. (2023). Modern omics toolbox for producing combined and multifactorial abiotic stress tolerant plants. *Plant Stress*, 100301. <https://doi.org/10.1016/j.stress.2023.100301>

## Internships

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- Manara Life Sciences, Pune Dec 2020- June 2021  
Worked on Organic Solid Waste Degrading Bacteria.
- Dr. D.Y. Patil Biotechnology and Bioinformatics institute, tathawade, Pune Apr- June 2018  
Worked on Protein Purification by affinity chromatography.

## Awards and Fellowships

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- Fifth ranker, MSc Biotechnology, Savitribai Phule Pune University, Pune 2021
- First ranker, Department of Biotechnology, Modern College, Ganeshkhind 2021
- First ranker, Department of Biotechnology, Dr. D.Y. Patil ACS college, Pimpri 2019
- Lila Poonawalla Foundation Scholarship, for post-graduation studies 2019-2021
- Bhagini Nivedita Foundation Scholarship 2017-2021
- University Women's Association Scholarship 2017-2021
- Shivsahyadri Foundation Scholarship 2017-2021
- Lila Poonawalla Foundation Scholarship for graduation studies 2016-2019

## Workshops, Conferences and Competitions

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- International workshop on plant genomics June 2024
- "Data analysis with SPSS" workshop hosted by commacad June 2024
- "Ensemble plant browser workshop" hosted by decode life June 2024
- One Week Online Workshop on Biostatistical Data Analysis Dec 2022

and Research Methodology

- One-week short term course on “Modern E-tools and Techniques for research article and thesis writing” Oct 2022
- Zonal level AVISHKAR competition Oct 2022
- College level AVISHKAR competition (second prize) Sep 2022
- National Seminar on IPR and Research Ethics held at Modern College of Arts, Commerce and Science, Ganeshkhind, Pune Feb 2020
- MANAV Project, IISER Pune Jan 2020
- International conference on Biotechnology: Perspective and challenges held at Modern College of Arts, Commerce and Science, Ganeshkhind, Pune Jan 2020
- International conference on Microbial Technology for Better Tomorrow 2018 held at Dr. D. Y. Patil ACS college, Pimpri, Pune Feb 2018
- Zonal level AVISHKAR competition Dec 2017

### Personal details

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Date of Birth: 23 / 09/ 1998  
Gender: Female  
Languages known: Hindi, English, and Marathi  
Nationality: Indian

### Declaration:

I hereby declare that the information given above is true as per my knowledge.

Place: Pune  
Date: 18/07/2024

Alisha Shaikh