

Ms. Viranjetha Chinthalu



Designation: Teaching Assistant

Email ID: viranjetha.chinthalu@dpu.edu.in

Qualification: M.Sc Botany

Area of Specialization: Plant Biotechnology

Research Interest: My interests lie in molecular biology and plant biotechnology, I am particularly interested in exploring advanced biotechnological approaches, such as genome editing, synthetic biology, and metabolic engineering, I aim to investigate how plant-based biotechnologies can be leveraged to mitigate environmental pollution, such as through phytoremediation and carbon sequestration strategies.

EDUCATIONAL QUALIFICATIONS:

1. Masters of science in Botany (2023)- **Savitribai Phule Pune University, Pune.**

Dissertation Title: Effects of L-proline on 2AP and related metabolites in *Pandanus amaryllifolius* Roxb.

2. Bachelor of Science in Botany (2021)- **Fergusson College (autonomous) Pune**

ACADEMIC AND RESEARCH EXPERIENCE: 6-8 Months Research experience.

AWARDS AND ACHIEVEMENTS:

- Qualified CSIR UGC-NET JRF and Lectureship
- Qualified ICMR-JRF
- Qualified ICAR-JRF
- Qualified GATE Life Science twice (2023 and 2024)
- Qualified GATE Biotechnology
- Qualified MH- SET.

PUBLICATIONS:

1. Minal Wani, Jyoti Deshpande, Amol Phule, Ganesh Nawkar, Suhasini B, **Viranjetha Chinthalu***, 2025. Study on the Biochemical Constituents of plants commonly used in Indian Culinary Practices. *IEEE GC4T-2025*, DYPSST Pune, India.

BOOK CHAPTERS:

1. **Viranjetha Chinthalu**, Suhasini B, Ganesh Nawkar, Minal Wani, 2025. Methods for the Assessment of Aroma in Basmati Rice Cultivars. (Under review)

CONFERENCE PROCEEDINGS:

1. **Viranjetha Chinthalu**, Riddhi Deka, Suhasini B, Ganesh Nawkar, Minal Wani, A B Nadaf 2024. Effect of L-proline treatment on 2 AP and related metabolism in *Pandanus amaryllifolius* Roxb. *International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2024)*. DYPBBI Pune, India.

WORKSHOPS:

1. Workshop on 'protein structure modelling and visualisation' organised by Rajiv Gandhi Centre for Biotechnology (RGCB).
2. DBT Hands-on training under chemistry department of Fergusson college.

BIOTECHNOLOGY SKILLS:

- **Plant tissue culturing**
- Gas chromatography
- Enzyme activity assays
- Scientific writing and literature review.