

JAIE KIRAN PATANKAR

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Objective

Motivated and research-oriented postgraduate in Biotechnology with specialisation in Pharmaceutical and with a strong academic and laboratory experience in cell culture, microbiology, and analytical techniques. Eager to contribute to research and academia by applying technical expertise, attention to detail, and a deep interest in teaching.

Education

Degree	University	Year
M.Sc. Pharmaceutical Biotechnology	Dr. D.Y. Patil University, Navi Mumbai.	2025
B.Sc. (H) Biotechnology	Amity University, Mumbai.	2023
Minor Degree in Business Management	Amity University, Mumbai	2023

Experience:

Lifesenz Cancer Research Labs Pvt. Ltd., Bhiwandi.

December 2024 – Present

Dissertation Trainee – Cancer Lab.

Lifesenz Cancer Research Labs Pvt. Ltd., Bhiwandi.

27th May – 14th June 2024

Industrial Training – Cancer Lab.

Projects:

1. Development of Novel Herbal Formulation and Functional Evaluation Using In-Vitro Skin Cell Model (**Lifesenz Cancer Research Labs Pvt. Ltd | Dec 2024 – Present**)
2. Polyextremophilic characterization & antimicrobial applications of halophiles isolated from Ladakh. (**Amity University | Feb 2023 – Jul 2023**)
3. Morphological & biochemical characterization & quantitative estimation of cellulase from halophiles isolated from Ladakh. (**Amity University | Feb 2023 – Jul 2023**)

Publication:

Plant-Derived Iron Nanoparticles for Removal of Heavy Metals in International Journal of Chemical Engineering. (April 2022).

Skills:

- Animal cell culture and microbiological techniques
- Biochemical assays (MTT, ROS, DPPH, etc.)
- Molecular biology techniques: PCR, gel electrophoresis
- Spectroscopy and basic HPLC handling
- Media preparation and sterile techniques
- Bioinformatics tools: AutoDock, ChemSketch
- Strong communication, teamwork, and adaptability

Areas of Interest:

- Animal Cell Culture
- Cancer Research
- Microbiology
- Pharmaceutical Biotechnology