

PRERANA V. CHAUDHARI
M. Pharm (Pharmacology)
SVKM NMIMS GLOBAL UNIVERSITY, DHULE, MS
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OBJECTIVES

Seeking responsibility and challenging opportunities where I can implement my abilities to their maximum potential for the success of the institute. With a good foundation in Pharmacology, I am committed to advancing research and education.

EDUCATIONAL DETAILS

Qualification	Institute	Board / University	% / CGPA	Year
M. Pharmacy (Pharmacology)	SVKM Institute of Pharmacy, Dhule, MS	Dr. Babasaheb Ambedkar Technological University, Lonere, MS	pursuing	2026
B. Pharmacy	Smt. SSP college of Pharmacy, Chopda, Jalgaon	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, MS	74.14%	2024
HSC	D. D. S. Patil College, Erandol, Jalgaon	State Board, Nashik	71.69%	2020
SSC	R. T. Kabre High School, Erandol, Jalgaon	State Board, Nashik	77.80%	2018

RESEARCH EXPERIENCE / PROJECTS

M. Pharm Research Project

Title: Memantine modulates TRPM3-associated glutamatergic signaling via vGLUT2 in a mouse model of obsessive-compulsive disorder

Institution: SVKM's Institute of Pharmacy, Dhule, Maharashtra

Supervisor: Dr. Sanjay Awathale

Duration: 2024 – 2026

- Investigated glutamatergic signaling via TRPM3 ion channel in mPFC of mouse model.
- Demonstrated the role of mPFC and IL-6 pathways in TRPM3 ion channel-mediated behavioral modulation.

PUBLICATIONS	STATUS
Memantine modulates TRPM3-associated glutamatergic signaling via vGLUT2 in a mouse model of obsessive-compulsive disorder (<i>European journal of pharmacology IF: 4.7</i>)	Under review

Emerging Roles of MicroRNAs in Central Nervous System Disorders: From Pathogenesis to Biomarker Potential (<i>International immunopharmacology, IF: 4.7</i>)	Under review
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CONFERENCES & PRESENTATIONS

1. Attended and presented a poster at “Mega science & innovation convention 2026” at SVKM’s Institute of Pharmacy, Dhule, MS, India 2026
2. Attended and presented a poster at “InnoSpire-2026, an international level platform for budding pharma professionals” at Rajarshi Shahu College of Pharmacy, Buldana, MS, India 2026
3. Poster presentation at an international conference on “Future trends and opportunities in the pharmaceutical world” held at MET’s Institute of Pharmacy, Nashik, MS, India 2026
4. Selected for the zonal level in the Avishkar competition 2025
5. Attended the national clinical research conference 2025, convene on “shaping the future of clinical research-innovate: integrate impact” at Ahmedabad Management Association (AMA), Ahmedabad, MS, India 2025
7. Certificate of completion of Good Clinical Practices (GCP) training conducted by Cliantha Academy, an educational initiative by Cliantha Research 2025
9. Attended and participated in poster presentation at CCSEA-sponsored Two-Day National Conference on ‘Ethical Frontiers: Safeguarding Animal Welfare in Drug Development’ At Priyadarshini J.L. College of Pharmacy, Nagpur, MS, India 2025
11. Attended a two-day national conference on Publication ethics in research, Jalgaon, MS 2025

EXPERTIZATION

Preclinical & *In vivo* Skills

- Skilled in **animal handling** (rats and mice) and multiple routes of drug administration: oral, intraperitoneal, subcutaneous, intramuscular.
- Proficient in **behavioral paradigms of CNS function**, including elevated plus maze, open field test, novel object recognition, actophotometer, tail suspension, Barnes maze, and conditioned place preference (CPP), marble-burying test, pole climbing test, passive avoidance test.
- Experienced in **surgical models**, including sciatic nerve ligation (neuropathic pain), pylorus ligation (ulcer model), and stereotaxic surgery for brain-specific interventions.

Molecular & Biochemical Techniques

- Skilled in **protein estimation, tissue homogenization, and brain nuclei isolation**.
- Hands-on experience with **ELISA, DNA isolation, gel electrophoresis**, and demonstration of **Western blotting** and **immunohistochemistry**.
- Knowledge of **neurochemical quantification** and analysis of neurotransmitter pathways.

Analytical & Instrumental Skills

- Experienced in **UV-visible spectrophotometry** and **High-Performance Liquid Chromatography (HPLC)** for quantitative drug and biomarker analysis.

Scientific & Research Software

- Proficient in **GraphPad Prism, BioRender, Zotero, Mendeley, Microsoft Office Suite, PubMed, ScienceDirect, Web of Science, and Google Scholar** for literature management, data analysis, and visualization.

POSITIONS OF RESPONSIBILITY

Member organising committee	Organized various events like annual functions, farewells, and other college-level events. 2022-26
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PERSONAL INFORMATION

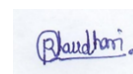
Address: At Post Erandol, Jalgaon, Maharashtra, Pin code-425109.

Marital Status: Unmarried.

Hobbies: Photography and poetic writing

DECLARATION

I hereby declare that all the information furnished above is true and genuine to the best of my knowledge.



Prerana V. Chaudhari