

Ms. Arti C. Ghorpade

Qualification: B. Pharm., M. Pharm.

Designation: Assistant Professor

Department: Pharmaceutics



Brief Profile:

Ms. Arti Changdev Ghorpade has completed her B. Pharm. from S.V.N.H. T's College of Pharmacy, Rahuri Factory and M. Pharm. from Pravara Rural College of Pharmacy, Loni. She has worked as a Formulation Scientist at Encube Ethicals Pvt. Ltd. for eight months and is currently serving as an Assistant Professor in the Department of Pharmaceutics at Amrutvahini College of Pharmacy, Sangamner. Her research focus lies in nanotechnology-based drug delivery systems, novel dosage form development, and controlled drug delivery. She has contributed to several high-impact research publications and is an inventor in one Indian patent related to topical nanoformulations.

Area of Interest:

- Nanotechnology-based drug delivery
- Controlled drug delivery systems
- Novel and advanced drug delivery systems
- Transdermal, topical, and inhalation formulations
- Pharmaceutical product development

Publications / Research Output:

International Publications: 05

National Publications: 02

Books / Book Chapters: 02

Patents: 01 (Indian Patent)

Conferences attended: 03

FDP: 02

Recent Publications:

1. Development and Optimization of Myricetin Loaded Inhalable Microsphere to Treat COPD, Pharmaceutical Research, Published 11 Nov 2025, <https://doi.org/10.1007/s11095-025-03973-6>.
2. Development and Optimization of Avanafil Cocrystals: In Silico Molecular Docking Approach for Enhanced Aqueous Solubility and Dissolution Rate. Journal of Molecular Structure, 2026, 1351, 144281, <https://doi.org/10.1016/j.molstruc.2025.144281>.

3. Development and Fabrication of Ozenoxacin Loaded Thermosensitive In-Situ Gel for Impetigo, Bionanoscience, 2025, 15(3), 518, <https://doi.org/10.1007/s12668-025-02140-w>.
4. Development and Characterization of Baricitinib Nanoemulgel with Antiarthritic Effect in Rats, Bionanoscience, 2025, 15(2), 297, <https://doi.org/10.1007/s12668-025-01908-4>.
5. Development and Fabrication of Emodin-Loaded Patches Using Geraniol as a Penetration Enhancer for Transdermal Delivery, Assay and Drug Development Technologies, Article in Press, 2025, <https://doi.org/10.1089/adt.2025.010>.

Research Project (Major/Minor): Nil

PG / Ph.D. Guidance: Nil

Awards / Honors / Recognitions: Nil

Professional Membership: Nil

Country Visit: Nil