

PROFESSIONAL PROFILE

Name : Aishwarya Chandrakant Narayankar
Designation : Assistant Professor
Qualification :M- Pharmacy
Specialization : Pharmaceutics
Department :Pharmaceutics
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Experience (in years) : 2.3 years

Pharmacist Registration (State) :maharashtra

Pharmacist Registration Number:418049

Interest Areas:

- Novel Drug Delivery Systems – Gastroretentive, colon-targeted, nanoparticles, and sustained-release formulations. Microbeads
- Radiolabeling techniques (99m-Technitium, API, nanocarriers, antigens)
- Bioanalytical method development and validation (HPLC-based analysis)
- Molecular modeling and drug design (AutoDock, PyRx, GROMACS, AMBER)
- Design of Experiments (DoE) and optimization (Design Expert)
- Pharmaceutical analysis and characterization (UV, FT-IR, DSC)
- Preformulation and formulation development
- In vivo and preclinical studies (animal studies, plasma analysis)
- Particle size analysis and dissolution studies

Research Details:

Guided 04 groups of B.Pharm students on advanced pharmaceutics topics like sustained release formulations, nanoparticles, Nasal drug delivery system, mucoadhesive films/patchesetc.

Publications & Scholarly Contributions:

- Total number : 03 (International:1, National:2)
- Books : 00
- Book Chapters : 01
- Patents : 00
- Presentations : 01
- Conferences/Workshops/Seminars attended:

Professional Memberships :

- NA

Recent Publications:

2025-26

Research article on Smart Nasal Nanocarriers in Thermosensitive Gelling System: A Potential Breakthrough for Menstrual Migraine Relief. Journal of Pharmaceutical Sciences, 2025.

**Book chapter publication on drug development : preclinical to post-marketing
Chapter title- Bioequivalence and biosimilar evaluation**