

Mr. Rushikesh Sambhaji Shinde

Indian Council of Medical Research Project Research Scientist-I

Contact: +91 76200 20227

Email ID: rushikesh.s.workmail@gmail.com

Date of Birth: 20 June 2000



ORCID: <https://orcid.org/0009-0003-0304-3057>

LinkedIn ID: [rushikesh-shinde-mph-8429a11ba](https://www.linkedin.com/in/rushikesh-shinde-mph-8429a11ba)

Professional Profile:

I'm an "ICMR Project Research Scientist-I at KLE College of Pharmacy, Bengaluru", with hands-on experience in formulation development, advanced drug delivery systems, and pharmaceutical research. My work focuses on nanostructured and gastroretentive drug delivery systems, *in vivo* evaluation, and regulatory-oriented research, supported by experience in dossier preparation, scientific writing, and patent drafting. I have contributed to peer-reviewed publications and actively engaged in national and international research presentations. Driven by curiosity and purpose, I aim to translate innovative pharmaceutical science into compliant, impactful healthcare solutions through collaboration across academia and industry.

Educational Qualifications:

Qualification	Year	College Name	University/Board	CGPA/Score
M. Pharmacy (Pharmaceutics)	2024	Marathwada Mitra Mandal's College of Pharmacy, Thergaon, Pune 411 033	SPPU, Pune	8.8
B. Pharmacy	2022	Indrayani Institute of Pharmaceutical Education and Research, Talegaon Dabhade, Pune 410 507	DBATU, Lonere	8.71
HSC	2018	Indrayani Vidya Mandir, Talegaon Dabhade, Pune 410 507	Maharashtra State Board	63.23%
SSC	2016	New English School, Vadgaon Maval, Pune 412 106	Maharashtra State Board	81.20%

Work Experience:

- ICMR Project Research Scientist-I at KLE College of Pharmacy, Bengaluru**
(Period: May 2025- Present)
- Trainee Officer-Regulatory Affairs at Amegh Pharma Pvt. Ltd., Andheri (W)**
(Period: July 2024- May 2025)

Skills:

Software Skills	Instrument Skills*
MS Office (Excel, word etc.)	Particle Size Analyzer, Malvern, USA
Graph Pad Prism Software	Differential Scanning Calorimetry, Metler Toledo, USA
Design of Experts	Atomic Absorption Spectrometer, Thermo Fisher, USA
Kinetica Software	Spectrofluorophotometer, Shimadzu RF-1501, Japan
Origin Software	Flame Photometer, Systronic 128, India
Artificial Neural Network by JMP Software	High-Pressure Homogenizer, Panda Plus 2000, Italy
	CX43 Trinocular Microscope, Olympus, China
	Rheometer, AMETEK, Brookfield, USA

Achievements and Certifications:

- **Apr. 2024:** Course: Lean Six Sigma Yellow Belt
- **Apr. 2024:** Course: Computer-Aided Drug Design from RTMNU, Nagpur
- **Dec. 2023:** Conference: Poster Presented at 8th Annual Int. Conf. on IPR: at GCP
- **Nov. 2023:** Course: World Intellectual Property Rights by WIPO
- **July 2023:** Workshop: National Level Workshop on CADD by Schrodinger
- **Aug. 2022:** Qualified NIPER
- **May 2022:** Qualified GPAT

Research/ Review Articles:

1. Shivakumar HN, Shinde R, Somasekhar V, Hariprasad MG, Mahesh NM. Activation-modulated stimuli-responsive systems: an intelligent platform for site-specific gastroretentive delivery of diverse therapeutic agents. *Int J Pharm.* **2026** Jan 27; 691:126599. [Impact Factor: 5.2; Q1]. <https://doi.org/10.1016/j.ijpharm.2026.126599>.
2. Shivakumar H.N.*; Somasekhar, V.; Kamath, M.; Prakash, S. S.; Kumar, A.; Pai, R.; **Shinde, R.** Formulation and Evaluation of Isosorbide Dinitrate-Loaded Flash-Release Dispersible Sublingual Wafers. *RSC Pharmaceutics.* **2025** (1), <https://doi.org/10.1039/D5PM00274E>.
3. Wali D., Shivakumar, H.N.*; Kumar, A.; **Shinde, R.** Development and Optimisation of Docetaxel-Loaded Polymeric Nanoparticles for Oral Chemotherapy in Breast Cancer. *Scientia Pharmaceutica.* **2025**. [Impact Factor: 2.5; Q2]. <https://doi.org/10.3390/scipharm93040058>.
4. Shivakumar HN*, Kamath M, Kumar A, Prakash S, **Shinde R**, Tekade A. Formulation and optimization of cilnidipine solid dispersion-based sublingual films using D-optimal mixture design. *Particulate Science and technology.* **2025**. [Impact Factor: 1.6; Q3]. <https://doi.org/10.1080/02726351.2025.2576602>.

5. Agarwal B, Jagdale S*, Kanakdande T, **Shinde R**. Nepafenac Loaded Emulgel for Controlled Ocular Delivery: *In vitro* and *Ex vivo* Characterization. *Indian Journal of Pharmaceutical Education and Research*. **2025**. [Impact Factor: 0.843; Q3]. <https://doi.org/10.5530/ijper.20251113>.
6. Tekade A*, Kadam P, Jagdale S, Surwade S, Gaikwad A, Pawar P, **Shinde R**. Exploring Potential of Nano-formulations in the Treatment of Alzheimer's Disease through Nasal Route. *Current alzheimer's research*. **2024**;21(10):693-709. [Impact Factor: 1.9; Q3]. <https://doi.org/10.2174/0115672050290462240222092303>.
7. Tekade A*, Ratnaparkhi M, Shewale A, **Shinde R**, Kulkarni G, Pawar P. Design and assessment of in-situ nasal gel incorporated with nanostructured cubosomes for the targeted therapy of schizophrenia. *Journal of Research in Pharmacy*. **2024**;27(3). [Impact Factor: 0.19; Q3]. <https://doi.org/10.12991/jrespharm.1693796>.

Patents:

- **Title:** A Stable Nanostructured Lipid Carrier Composition
Patent at: IP patent
Patent No.: 202521071595
Status: Published, Application Awaiting Examination
- **Title:** An Optimized Process for Extraction, Isolation, and Characterization of *Caesalpinia bonduc* Seed Extract
Patent at: IP patent
Patent No.: 202521073128
Status: Published, Application Awaiting Examination

Personal Information:

Marital Status	Unmarried
Language Proficiency	Marathi, English, and Hindi
Hobbies	Playing Cricket, Chess, Reading Books, and Travelling
Area of Interest	Nanotechnology; Nanoparticles; Nose to Brain Drug Delivery; CNS Therapeutics; Gastroretentive & Transdermal Drug Delivery System
Permanent Address	At. Ahirwade, Post. Sate, Tal. Maval, Dist. Pune 412106

I declare that all the information in my curriculum vitae is true, complete, and correct to the best of my knowledge and belief. I take full responsibility for the authenticity of the details mentioned. This declaration is made in good faith and with honesty.

Place: Bengaluru, Karnataka

Date: 03 February, 2026