

DR. ROHAN JOSHI

Associate Professor of Pharmaceutics

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PROFILE

Pharmaceutical scientist developing nanoparticle and transdermal delivery systems.

Collaborates with two generic manufacturers on technology transfer and supervises six Ph.D. scholars.

Research interests: Nanocarriers · transdermal delivery · herbal standardisation · technology transfer

RESEARCH EXPERIENCE

2019 – Present

Associate Professor

Department of Pharmaceutics, Vidarbha Institute of Pharmaceutical Education

- Lead a nanomedicine lab; 2 formulations transferred to industry partners.
- Supervise 6 Ph.D. and 14 M.Pharm. students.

2014 – 2019

Assistant Professor

Orange City College of Pharmacy

- Set up the formulation development lab and an industry internship cell.

EDUCATION

2010 – 2014

Ph.D., Pharmaceutical Sciences

Vidarbha Institute of Pharmaceutical Education

2008 – 2010

M.Pharm., Pharmaceutics

Vidarbha Institute of Pharmaceutical Education

GPAT qualified

2004 – 2008

B.Pharm.

Orange City College of Pharmacy

Distinction

GRANTS, AWARDS & HONOURS

- Research grant, national pharmaceutical research council (2021–2024), ₹56 lakh
- Best Teacher Award, state pharmacy council (2020)

TEACHING

- Industrial Pharmacy (B.Pharm.)
- Novel Drug Delivery Systems (M.Pharm.)
- Regulatory Affairs (M.Pharm.)

PUBLICATIONS

- [1] Banerjee, P., Haddad, N., & **Joshi, R.** (2026). New approaches to nanoparticle delivery of anticancer drugs. *Proceedings of the Indian Pharmacy Congress*, pp. 568–580.
- [2] Banerjee, P., & **Joshi, R.** (2026). Evidence on antimicrobial resistance surveillance. *Journal of Pharmaceutical Formulation Science*, 31(6), 258–277.
- [3] Iyer, M., Menon, V., Fischer, A., & **Joshi, R.** (2026). Understanding nanoparticle delivery of anticancer drugs. *Pharmacology and Toxicology Review*, 22(4), 561–581.
- [4] **Joshi, R.**, Menon, V., & Gupta, R. (2025). Rethinking sustained-release antidiabetic tablets. *Journal of Pharmaceutical Formulation Science*, 11(8), 726–734.
- [5] **Joshi, R.**, & Okafor, D. (2025). Designing for bioavailability of curcumin formulations. *Proceedings of the Indian Pharmacy Congress*, pp. 245–254.
- [6] Okafor, D., & **Joshi, R.** (2025). New approaches to herbal extract standardisation. *Journal of Pharmaceutical Formulation Science*, 35(3), 565–587.
- [7] **Joshi, R.**, Menon, V., & Okafor, D. (2024). Rethinking sustained-release antidiabetic tablets. *Journal of Pharmaceutical Formulation Science*, 19(5), 778–787.
- [8] Kim, J., **Joshi, R.**, & Gupta, R. (2024). Measuring bioavailability of curcumin formulations. *Journal of Pharmaceutical Formulation Science*, 43(12), 500–514.
- [9] Menon, V., & **Joshi, R.** (2024). Revisiting antimicrobial resistance surveillance. *Drug Delivery Research Letters*, 31(3), 185–196.
- [10] Iyer, M., & **Joshi, R.** (2023). A study of nanoparticle delivery of anticancer drugs. *Proceedings of the Indian Pharmacy Congress*, pp. 236–244.
- [11] **Joshi, R.**, Banerjee, P., & Iyer, M. (2023). Scaling nanoparticle delivery of anticancer drugs. *Pharmacology and Toxicology Review*, 47(1), 295–312.
- [12] **Joshi, R.**, & Sato, Y. (2023). Measuring herbal extract standardisation. *Drug Delivery Research Letters*, 28(12), 70–79.
- [13] Okafor, D., & **Joshi, R.** (2022). Understanding bioavailability of curcumin formulations. *Proceedings of the Indian Pharmacy Congress*, pp. 242–254.
- [14] **Joshi, R.**, Mensah, K., & Rao, S. (2022). A study of nanoparticle delivery of anticancer drugs. *Journal of Pharmaceutical Formulation Science*, 22(11), 378–386.
- [15] Gupta, R., **Joshi, R.**, & Okafor, D. (2022). Scaling nanoparticle delivery of anticancer drugs. *Drug Delivery Research Letters*, 21(6), 477–490.
- [16] Haddad, N., **Joshi, R.**, & Banerjee, P. (2021). Scaling herbal extract standardisation. *Proceedings of the Indian Pharmacy Congress*, pp. 363–377.
- [17] Iyer, M., Chen, L., Kim, J., & **Joshi, R.** (2021). Measuring antimicrobial resistance surveillance. *Drug Delivery Research Letters*, 15(6), 383–397.
- [18] Haddad, N., **Joshi, R.**, & Chen, L. (2021). Towards bioavailability of curcumin formulations. *Proceedings of the Indian Pharmacy Congress*, pp. 893–907.
- [19] Menon, V., Fischer, A., & **Joshi, R.** (2020). Rethinking herbal extract standardisation. *Pharmacology and Toxicology Review*, 45(12), 667–683.

CONFERENCE PRESENTATIONS & INVITED TALKS

- Poster: “Scaling herbal extract standardisation”, Proceedings of the Indian Pharmacy Congress, New Delhi, 2026.

- Contributed talk: “Understanding transdermal patch design”, Drug Delivery Research Letters, Boston, 2026.
- Poster: “New approaches to sustained-release antidiabetic tablets”, Pharmacology and Toxicology Review, Hyderabad, 2025.
- Contributed talk: “Evidence on transdermal patch design”, Proceedings of the Indian Pharmacy Congress, London, 2025.
- Keynote: “Towards sustained-release antidiabetic tablets”, Proceedings of the Indian Pharmacy Congress, New Delhi, 2024.
- Seminar: “Rethinking transdermal patch design”, Drug Delivery Research Letters, Bengaluru, 2024.

PROFESSIONAL SERVICE

- Reviewer, Journal of Pharmaceutical Formulation Science
- Registered pharmacist, state pharmacy council (registration on file)

SKILLS

Formulation: Nanoparticles, liposomes, transdermal patches, QbD

Analysis: HPLC, DSC, particle sizing, dissolution testing

Languages: Marathi (native), Hindi, English

REFERENCES

Dr. M. Deshpande

Principal, Vidarbha Institute of Pharmaceutical Education
m.deshpande@pharmacy.edu

Dr. S. Patil

Head of R&D, Sahyadri Generics
s.patil@company.example