

Name of Faculty: - Mr. Amol D. Gholap

Qualification	B. Pharm. M. Pharm (Pharmaceutics) Ph.D. (Pursuing)
Designation	Assistant Professor of Pharmaceutics
Specialization	Pharmaceutics
Academic Experience	10+ Years <ul style="list-style-type: none"> • Ideal College of Pharmacy and Research, Kalyan (2013-2015) • St. John Institute of Pharmacy and Research, Palghar (2015- onwards)
Research Experience	Nil
Industry Experience	Nil.
Areas of Interest	<ul style="list-style-type: none"> • QBD driven Novel Drug Delivery System • Nanocarriers in Drug delivery System
Subjects Taught	<ul style="list-style-type: none"> • Physical Pharmaceutics I and II • Biopharmaceutics and Pharmacokinetics • Drug delivery system • Molecular Pharmaceutics (Nano Tech and Targeted DDS)
Presentations	National: 01
Publications	International – 23 National: 15
Recent Publications	<ol style="list-style-type: none"> 1. Rojekar, Satish, Swapnali Parit, Amol D. Gholap, Ajit Manchare, Sopan N. Nangare, Navnath Hatvate, Vrashabh V. Sugandhi, Keshav Raj Paudel, and Rahul G. Ingle. 2024. "Revolutionizing Eye Care: Exploring the Potential of Microneedle Drug Delivery" <i>Pharmaceutics</i> 16, no. 11: 1398. (Impact factor: 4.9) 2. Gholap, Amol D., Pankaj R. Khuspe, Sagar R. Pardeshi, Md Jasim Uddin, Ushasi Das, Navnath T. Hatvate, Satish Rojekar et al. "Achieving Optimal Health With Host-Directed Therapies (HDTs) in Infectious Diseases—A New Horizon." <i>Advanced Therapeutics</i> (2024): 2400169. (Impact factor: 3.7) 3. Rojekar, Satish, Amol D. Gholap, Namdev Togre, Priyanka Bhoj, Clement Haeck, Navnath Hatvate, Nidhi Singh et al. "Current status of mannose

	<p>receptor-targeted drug delivery for improved anti-HIV therapy." <i>Journal of Controlled Release</i> 372 (2024): 494-521. (Impact factor: 10.5)</p> <p>4. Shaikh, Mohd Sayeed, Md Faiyazuddin, Mubasshera Sabir Khan, Shahbaz K. Pathan, Imran J. Syed, Amol D. Gholap, Mohammad Shabib Akhtar et al. "Chikungunya virus vaccine: a decade of progress solving epidemiological dilemma, emerging concepts, and immunological interventions." <i>Frontiers in Microbiology</i> 15 (2024): 1413250. (Impact factor: 04)</p> <p>5. Mesut, Burcu, Mazen Al-Mohaya, Amol D. Gholap, Eda Yeşilkaya, Ushasi Das, Mohammad Shabib Akhtar, Ranjit Sah, Salimullah Khan, Afrasim Moin, and Md Faiyazuddin. "Demystifying the potential of lipid-based nanocarriers in targeting brain malignancies." <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> (2024): 1-37. (Impact factor: 3.1)</p> <p>6. Parit, Swapnali, Ajit Manchare, Amol D. Gholap, Prashant Mundhe, Navnath Hatvate, Satish Rojekar, and Vandana Patravale. "Antibody-Drug Conjugates: A promising breakthrough in cancer therapy." <i>International Journal of Pharmaceutics</i> 659 (2024): 124211. (Impact factor: 5.5)</p> <p>7. Gholap, Amol D., Md Jasim Uddin, Md Faiyazuddin, Abdelwahab Omri, S. Gowri, and Mohammad Khalid. "Advances in Artificial Intelligence in Drug Delivery and Development: A Comprehensive Review." <i>Computers in Biology and Medicine</i> (2024): 108702. (Impact factor: 7.7)</p> <p>8. Gholap, Amol D., Sagar R. Pardeshi, Navnath T. Hatvate, Nilesh Dhorkule, Sadikali F. Sayyad, Md Faiyazuddin, and Mohammad Khalid. "Environmental Implications and Nanotechnological Advances in Octocrylene-Enriched Sunscreen Formulations: A Comprehensive Review." <i>Chemosphere</i> (2024): 142235. (Impact factor: 8.8)</p> <p>9. Mohanto, Sourav, Aritra Biswas, Amol Dilip Gholap, Shadma Wahab, Adrija Bhunia, Sagnik Nag, and Mohammed Gulzar Ahmed. "Potential Biomedical Applications of Terbium-Based Nanoparticles (TbNPs): A Review on Recent Advancement." <i>ACS Biomaterials Science & Engineering</i> 10, no. 5 (2024): 2703-2724. (Impact factor: 5.5)</p>
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10. Vora, Lalitkumar K., Amol D. Gholap, Navnath T. Hatvate, Padmashri Naren, Sabiya Khan, Vivek P. Chavda, Pankti C. Balar, Jimil Gandhi, and Dharmendra Kumar Khatri. "Essential oils for clinical aromatherapy: a comprehensive review." *Journal of Ethnopharmacology* (2024): 118180. **(Impact factor: 5.4)**
11. Chavda, Vivek P., Amit Z. Chaudhari, Pankti C. Balar, Amol Gholap, and Lalitkumar K. Vora. "Phytoestrogens: Chemistry, potential health benefits, and their medicinal importance." *Phytotherapy Research* (2024). **(Impact factor: 7.2)**
12. Gholap, Amol D., Harshad S. Kapare, Sakshi Pagar, Pallavi Kamandar, Deblina Bhowmik, Nikhar Vishwakarma, Sarjana Raikwar et al. "Exploring modified chitosan-based gene delivery technologies for therapeutic advancements." *International Journal of Biological Macromolecules* 260 (2024): 129581. **(Impact factor: 8.1)**
13. Patil, Ankit, Sagar Pardeshi, Mayur Kapase, Pritam Patil, Mahesh More, Shivraj Dhole, Eknath Kole et al. "Continuous preparation of sustained release vildagliptin nanoparticles using tubular microreactor approach." *Drying Technology* 42, no. 4 (2024): 661-673. **(Impact factor: 3.5)**
14. Shabib Akhtar, Mohammad, Karthikeyan Chandrasekaran, Sharmila Saminathan, Siva Ranjani Rajalingam, Nehal Mohsin, Khalid Altigani Awad Alkarem Ahmed, Yasir Alhazmi et al. "Nanoengineered chitosan functionalized titanium dioxide biohybrids for bacterial infections and cancer therapy." *Scientific Reports* 14, no. 1 (2024): 3705. **(Impact factor: 04)**
15. Gholap, Amol D., Juhi Gupta, Pallavi Kamandar, Deblina D. Bhowmik, Satish Rojekar, Md Faiyazuddin, Navnath T. Hatvate et al. "Harnessing nanovaccines for effective immunization— a special concern on COVID-19: facts, fidelity, and future prospective." *ACS biomaterials science & engineering* 10, no. 1 (2023): 271-297. **(Impact factor: 5.7)**
16. Pardeshi, Sagar R., Nilesh S. Deshmukh, Darshan R. Telange, Sopan N. Nangare, Yogesh Y. Sonar, Sameer H. Lakade, Minal T. Harde et al. "Process

development and quality attributes for the freeze-drying process in pharmaceuticals, biopharmaceuticals and nanomedicine delivery: a state-of-the-art review." *Future Journal of Pharmaceutical Sciences* 9, no. 1 (2023): 99. **(Impact factor: 2.5)**

17. Faiyazuddin, Md, A. Sophia, Sumel Ashique, Amol D. Gholap, S. Gowri, Sourav Mohanto, C. Karthikeyan et al. "Virulence traits and novel drug delivery strategies for mucormycosis post-COVID-19: a comprehensive review." *Frontiers in Immunology* 14 (2023): 1264502. **(Impact factor: 7.7)**

18. Gholap, Amol D., Satish Rojekar, Harshad S. Kapare, Nikhar Vishwakarma, Sarjana Raikwar, Atul Garkal, Tejal A. Mehta, Harsh Jadhav, Mahendra Kumar Prajapat, and Uday Annapure. "Chitosan scaffolds: Expanding horizons in biomedical applications." *Carbohydrate Polymers* (2023): 121394. **(Impact factor: 11.2)**

19. Pardeshi, Sagar R., Mahesh P. More, Chandrakantsing V. Pardeshi, Prashant J. Chaudhari, Amol D. Gholap, Ankit Patil, Pritam B. Patil, and Jitendra B. Naik. "Novel crosslinked nanoparticles of chitosan oligosaccharide and dextran sulfate for ocular administration of dorzolamide against glaucoma." *Journal of Drug Delivery Science and Technology* 86 (2023): 104719. **(Impact factor: 05)**

20. Mohanto, Sourav, Md Faiyazuddin, Amol Dilip Gholap, Darshan Jogi, Adrija Bhunia, Kannan Subbaram, Mohammed Gulzar Ahmed et al. "Addressing the resurgence of global monkeypox (Mpox) through advanced drug delivery platforms." *Travel Medicine and Infectious Disease* (2023): 102636. **(Impact factor: 12.0)**

21. Vora, Lalitkumar K., Amol D. Gholap, Keshava Jetha, Raghu Raj Singh Thakur, Hetvi K. Solanki, and Vivek P. Chavda. "Artificial intelligence in pharmaceutical technology and drug delivery design." *Pharmaceutics* 15, no. 7 (2023): 1916. **(Impact factor: 6.5)**

22. Gholap, Amol D., Sadikali F. Sayyad, Navnath T. Hatvate, Vilas V. Dhumal, Sagar R. Pardeshi, Vivek P. Chavda, and Lalitkumar K. Vora. "Drug delivery strategies for avobenzone: a case study of

	<p>photostabilization." <i>Pharmaceutics</i> 15, no. 3 (2023): 1008. (Impact factor: 6.5)</p> <p>23. Atamaram P. Pawar, C. Bothiraja, Amol D. Gholap, K. Shaikh, Investigation of Ethyl Cellulose Microsponges Gel for Topical Delivery of Eberconazole Nitrate for Fungal delivery. <i>Therapeutic Delivery Journal</i> 2014 5 (7) Page No, 781-794. (Impact factor: 3)</p>
Book chapters	International: 20
Research Grants	1. University of Mumbai, A. Y. 2017-18, for "Design, Synthesis and Evaluation of Nano cochleate Drug Delivery system for BCS Class II Drugs"
Professional Memberships	<ul style="list-style-type: none"> • Regd. Pharmacist, No. 172181 with Maharashtra State Pharmacy Council • Indian Pharmaceutical Association (Life Member) • Indian Society for Technical Education (Life Member) • Association of Pharmaceutical Teachers of India (Life Member)
Professional Associations	Working as a reviewer for scientific journals like Scientific report (Nature), International Journal of Biological macromolecules (Elsevier), Nanomedicine (Taylor and Francis) etc.
Achievements	Won Second Prize in Ph.D. Category at 2 nd "AMRUT-PHARMATHON" 2024 National Level Research competition held at Amrutvahini College of Pharmacy, Sangamner, 422608, Maharashtra, India.