

Prominent Publications of the Faculties

Sr.No.	Name of Authors	Year of Publication	Title	Name of Journal	Impact Factor
1.	Sachin S. Gaikwad, Umesh D. Laddha, Sanjay J. Kshirsagar et al.	2023	Dry Powder Inhaler with the technical and practical obstacles, and forthcoming platform strategies	Journal of Controlled Release	11.0
2.	Shubham J. Khairnar et al.	2022	Dietary Polyphenols and Their Role in Oxidative Stress-Induced Human Diseases: Insights Into Protective Effects, Antioxidant Potentials and Mechanism(s) of Action	Frontiers in pharmacology	6.3
3.	Rani S Kankate, Parag S Gide, et al.	2019	Design, synthesis and antifungal evaluation of novel benzimidazole tertiary amine type of fluconazole analogues	Arabian Journal of Chemistry	6
4.	Sachin S. Gaikwad, Umesh D. Laddha, Sanjay J. Kshirsagar et al.	2023	An overview of the implementation of SeDeM and SSCD in various formulation developments	International Journal of Pharmaceutics	5.8
5.	Sachin S. Gaikwad, Umesh D. Laddha, Sanjay J. Kshirsagar et al.	2024	Exploring paediatric oral suspension development: Challenges, requirements, and formulation advancements	International Journal of Pharmaceutics	5.8
6.	Gitanjali Sambhajirao Deokar, Sanjay Jayprakash Kshirsagar et al.	2023	Extraction, physicochemical characterization, functionality, and excipient ability of corn fiber gum-starch isolate from corn milling industry waste	International Journal of Pharmaceutics	5.8
7.	Umesh D. Laddha et al.	2023	Extraction of rutin from tagetes erecta (Marigold) and preparation of peroral nano-suspension for effective antitussive/expectorant therapy	Carbohydrate Polymer Technologies and Applications	5.5
8.	Umesh D. Laddha and Sanjay J. Kshirsagar	2021	Formulation of nanoparticles loaded in situ gel for treatment of dry eye disease: In vitro, ex vivo and in vivo evidences	Journal of Drug Delivery Science and Technology	5
9.	Umesh D. Laddha, Sanjay J. Kshirsagar, Layba S. Sayyad, Musab T. Ahmed, Sachin S. Gaikwad, Pavan B. Udavant	2022	Development of surface modified nanoparticles of curcumin for topical treatment of diabetic retinopathy: In vitro, ex vivo and in vivo investigation	Journal of Drug Delivery Science and Technology	5
10.	Umesh D. Laddha, Priyanka D. Sandhan, Sachin S. Gaikwad, Sanjay J. Kshirsagar	2023	Fabrication of pioglitazone nanoparticles loaded polymeric dispersion for treatment of dry eye disease with in vitro and in vivo investigation	Journal of Drug Delivery Science and Technology	5
11.	Neelam L. Dashputre, Umesh D. Laddha, Surabhi B. Patil, Jayesh D. Kadam, Sanjay J. Kshirsagar	2023	An insight to development and in-vitro, ex-vivo, in-vivo study of effect of naringenin nanoparticles against letrozole induced polycystic ovarian syndrome in female wistar rats	Journal of Drug Delivery Science and Technology	5
12.	Umesh D. Laddha, Shubham S. Chikhale, Neelam L. Dashputre, Sachin S. Gaikwad, Sanjay J. Kshirsagar	2023	Development and in vitro, ex vivo, in vivo investigation of curcumin loaded nanoparticles in management of dry eye disease	Journal of Drug Delivery Science and Technology	5
13.	Shubham Jagdish Khairnar et al.	2022	Chalcone scaffolds, bioprecursors of flavonoids: Chemistry, bioactivities, and pharmacokinetics	MDPI: Molecule	4.972

Prominent Publications of the Faculties

Sr.No.	Name of Authors	Year of Publication	Title	Name of Journal	Impact Factor
14.	Umesh D. Laddha, Shubham J. Khairnar et al.	2022	Repurposing of phytomedicine- derived bioactive compounds with promising anti- SARS-CoV-2 potential: Molecular docking, MD simulation and drug- likeness/ADMET studies	Saudi Journal of Biological Sciences	4.4
15.	Shubham J Khairnar et al.	2022	Phytocompounds as potential inhibitors of SARS-CoV-2 Mpro and PLpro through computational studies	Saudi journal of biological sciences (Elsevier)	4.4
16.	S. J. Khairnar et al.	2022	Phytocompounds of Indian spices as inhibitors of SARS-CoV-2 Mpro and PLpro: Molecular docking, molecular dynamics, and ADMET studies	Saudi Journal of Biological Sciences	4.4
17.	Sachin S. Gaikwad, Sanjay J. Kshirsagar, Umesh D. Laddha et al.	2023	Overview of phytosomes in treating cancer: Advancement, challenges, and future outlook	Heliyon	4.0
18.	Smita P. Kakad and Sanjay J. Kshirsagar.	2021	Nose to brain delivery of Efavirenz nanosuspension for effective Neuro AIDS therapy: In-vitro, In-vivo and pharmacokinetic assessment	Heliyon	4
19.	Smita P. Kakad and Sanjay J. Kshirsagar.	2023	Nose to brain delivery of nanosuspensions with first line antiviral agents is alternative treatment option to Neuro-AIDS treatment	Heliyon	4
20.	Umesh D. Laddha and Sanjay J. Kshirsagar	2020	Formulation of PPAR-gamma agonist as surface modified PLGA nanoparticles for non-invasive treatment of diabetic retinopathy: in vitro and in vivo evidences	Heliyon	4
21.	Neelam L. Dashputre, Umesh D. Laddha, Prajakta P. Darekar, Jayesh D. Kadam, Sanjay J. Kshirsagar et al.	2023	Potential therapeutic effects of naringin loaded PLGA nanoparticles for the management of Alzheimer's disease: In vitro, ex vivo and in vivo investigation	Heliyon	4
22.	Sachin Gaikwad and Sanjay Kshirsagar	2024	Application of Tablet in Tablet technique to design and characterize immediate and modified release tablets of Timolol maleate	Heliyon	4
23.	Shubham J Khairnar et al.	2022	Identification of bioactive molecules from Triphala (Ayurvedic herbal formulation) as potential inhibitors of SARS-CoV-2 main protease (Mpro) through computational investigations	Journal of King Saud University-Science (Elsevier)	3.9
24.	Deokar, G. and Kshirsagar, S.	2022	In- vitro biorelevant media and time simulation probiotic proliferation methodology to determine prebiotic potentials of flaxseed powder	Bioactive Carbohydrates and Dietary Fibre	3.8
25.	Sandeep S Sonawane, Santosh S Chhajed, Sanjay J Kshirsagar et al.	2019	An approach to select linear regression model in bioanalytical method validation	Journal of Analytical Science and Technology	3.568
26.	Santosh Chhajed et al.	2019	Synthesis and biological activity of structurally diverse phthalazine derivatives: A systematic review	Bioorganic & Medicinal Chemistry	3.5