

**KIP Publication From 1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024**

<b>Sr. No.</b>	<b>Title of the publication</b>	<b>Name of first author</b>	<b>Title of the journal</b>	<b>Index</b>	<b>Year</b>
1	Modification of physicochemical properties of chitosan to improve its pharmaceutical and agrochemical potential applications	Dr. Amol Shete	International Journal of Biological Macromolecules	Scopus	2024
2	Insights into Translational and Biomedical Applications of Hydrogels as Versatile Drug Delivery Systems.	Dr. Jyotiram Sawale (co-author)	AAPS Pharm SciTech	Scopus	2024
3	Deep learning for image-based diagnosis : Applications in medical imaging for drug development	Dr. Jyotiram Sawale	Journal of Statistics and Management Systems	Scopus	2024
4	Exploring explainable AI in pharmaceutical decision-making: Bridging the gap between black box models and clinical insights	Dr. Vishwajeet Ghorpade	Journal of Statistics and Management Systems	Scopus	2024
5	Predictive analytics for patient adherence : A machine learning approach in medication management	Anup Patil	Journal of Statistics and Management Systems	Scopus	2024
6	Natural language processing for drug information extraction: Advancing knowledge discovery in biomedical literature	Dr Akshada Koparde	Journal of Statistics and Management Systems	Scopus	2024
7	AI-driven pharmaceutical manufacturing : Revolutionizing quality control and process optimization	Dr. Namdeo Jadhav	Journal of Statistics and Management Systems	Scopus	2024
8	Blockchain technology in pharmaceutical supply chain : Ensuring transparency, traceability, and security	Dr. Amol Shete	Journal of Statistics and Management Systems	Scopus	2024



9	Pharmacovigilance in the digital era : A machine learning approach for early detection of adverse drug reactions	Dr. Bijoy Kumar Panda,	Journal of Statistics and Management Systems	Scopus	2024
10	Development and in vitro evaluation of folate conjugated polydopamine modified carmustine-loaded liposomes for improved anticancer activity	Dr. Namdeo Jadhav (co-author)	Journal of Drug Delivery Science and Technology	Scopus	2024
11	Efficient in vitro oxaliplatin delivery with functionalized single-walled carbon nanotube for enhanced colon cancer treatment	Dr. Namdeo Jadhav (co-author)	Future Journal of Pharmaceutical Sciences	Scopus	2024
12	Exploring the Binding Affinity and Molecular Interactions: A Comprehensive Study on the Molecular Docking Of Benzimidazole Derivative	Dr. Akshada Koparde	IJPQA,	Scopus	2024
13	Facile synthesis and surface characterization of platinum and gold bimetallic nanoparticles prepared using hydroalcoholic extract of BryophyllumPinnatum: Enhancing efficacy against breast cancer	Dr.N R Jadhav Co-author	Inorganic Chemistry Communications 165 (2024) 112555	Scopus, science direct, Elsevier	2024
14	Development of docetaxel-loaded (Soluplus®-PF108) mixed micelles vacuum foam-dried product for improved stability and melanoma treatment by QbD approach	Dr.N R Jadhav Co-author	Future Journal of Pharmaceutical Sciences	Web of sciences	2024
15	Effect of Agitation Speed: Three Different Dissolution Methods on in-vitro Release of Plain Disulfiram Implant	Dr. Jyotiram A. Sawale	Research Journal of Pharmacy and Technology	Scopus	2024



16	Formulation and comparative evaluation of herbal shampoo powder with marketed preparation	Miss.J.M.Gandhi	Research Journal of Pharmacy and Technology	ScopusQ2	2024
17	Development and Validation of a Bioanalytical Method for Estimating Ellagic Acid in Wistar Rat Plasma by RP-HPLC Using a Gradient Elution Technique	Dr. V. S. Ghorpade	Bio Integration	ScopusQ2	2024
18	Cutting-Edge Developments in Microemulsion Technology: Diverse Applications, Formulation Innovations, and Future Horizons	Dr. Anuradha N. Chivate	International Journal of Drug Delivery Technology	Scopus indexed (Q3)	2024
19	Pharmacokinetics and Pharmacodynamics Formulation aspect of Beta Sitosterol	Dr. Trupti P. Durgawale	International Journal of Pharmaceutical Quality Assurance	Scopus indexed (Q3)	2024
20	Investigating Bael Fruit Gum Powder as Natural Polymer for Pharmaceutical Drug Delivery	Dipak P Mali, Dhanashri R Patil, Ravina D Sutar, Dinanath T Gaikwad	International Journal of Drug Delivery Technology	Scopus indexed (Q3)	2024
21	Development and Characterization of Olmesartan Medoxomil-Loaded Microspheres for Hypertension Management	Dipak Mali, Sandip Bandgar, Indrayani Bandgar, Dinanath Gaikwad	International Journal of Drug Delivery Technology	Scopus indexed (Q3)	2024
22	Simultaneous Estimation of Amlodipine and Atorvastatin Using UV-Spectroscopy Method	Dipak P Mali, Anjali V Waghmare, Dinanath T Gaikwad	International Journal of Pharmaceutical Quality Assurance	Scopus indexed (Q3)	2024
23	Preparation and Characterization of Solid Dispersion of Sorafenib Tosylate for Enhancement of Bioavailability	Anuradha Chivate, Pritam Sakhare, Niranjan Chivate, Rohit Bhosale, Jotsna Gandhi	International Journal of Pharmaceutical Quality Assurance	Scopus indexed (Q3)	2024



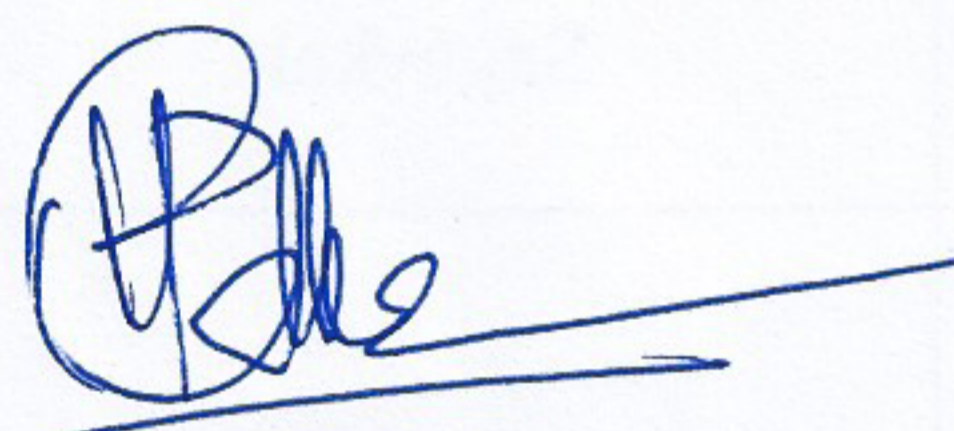
24	Strategic optimization of HPTLC method for berberine quantification in B-cyclodextrin inclusion complex using design expert	Rahul Sachdeo, ChitraKhanwelkar, and Amol Shete	Rasayan Journal of chemistry	Scopus (Q3)	2024
25	Adverse events associated with Pegaspargase biosimilar in pediatric patients with acute lymphoblastic leukemia: A prospective single-center study	Bijoy Kumar Panda	Journal of Oncology Pharmacy Practice	Scopus (Q3)	2024
26	Investigation of magnesium aluminometasilicate (Neusilin US2) based surface solid dispersion of sorafenib tosylate using QbD approach: In vitro and in vivo pharmacokinetic study	Bijoy Kumar Panda	ADMET and DMPK	Scopus (Q1)	2024
27	A Bird eye view on In - situ Ophthalmic Gel: Challenges and Opportunities	RaghwendraR. Waghmode	International Journal of Drug Delivery and Technology	Scopus (Q3)	2024
28	Characterization Of Bimetallic (Zinc And Gold) Nanoparticles Of <i>Cryptostegia grandiflora</i> Plant Extract And Their Biological Screening	Mr. Ranjit S. Jadhav	International Journal of Drug Delivery and Technology	Scopus (Q3)	2024
29	Citric acid crosslinked hydroxyethyl tamarind gum-based hydrogel films: A promising biomaterial for drug delivery	Vishwajeet Sampatrao Ghorpade Jotsna Mohanlal Gandhi,	International Journal of Biological Macromolecules	Scopus (Q1)	2024
30	Comparative Anti-inflammatory property of Sterol and Non-sterol Fractions from <i>Amorphophallus campanulatus</i> Roxb. tuber	Jyotiram A. Sawale	Research J. Pharm. and Tech.	Scopus (Q2)	2024
31	Formulation and Evaluation of Solid Lipid Nanoparticles by Using	Jyotiram A. Sawale	Afr. J. Biomed. Res.	Scopus (Q4)	2024



	High-Pressure Homogenization Technique for the Treatment of Cancer				
32	Formulation and Evaluation of Orodispersible Tablets of Diltiazem HCl Using Natural Superdisintegrant	Jyotiram A. Sawale	Afr. J. Biomed. Res.	Scopus (Q4)	2024
33	RP-HPLC Method Development and Validation for Determination of Sorafenib in Bulk Drug Substance and Pharmaceutical Dosage Forms	Jyotiram A. Sawale	Afr. J. Biomed. Res.	Scopus (Q4)	2024
34	In Vivo And In Vitro Study On Anticancer Activity Of Methanolic Extract Of Cryptostegia Grandiflora Leaves In Experimental Animals	Jyotiram A. Sawale	Afr. J. Biomed. Res.	Scopus (Q4)	2024
35	Nanosponges as a Drug Delivery System: Methods, Characteristics and Applications	Mrs.MadhuriM.Desai	International Journal of Drug Delivery and Technology	Scopus (Q3)	2024
36	Studies on antivenom activity of extract of plants in Euphorbiaceae family	Ms. Sandhyarani R Sagavkar	Afr. J. Biomed. Res.	Scopus (Q4)	2024
37	An experimental study on Phytochemical screening and evaluation of Antimicrobial properties of Zingiber officinale(Ginger)	Dr. Akshada A. Koparde	Frontiers in health informatics 13(3), 3998-4008	Scopus (Q4)	2024
38	Unlocking the future: New biologic therapies for Rheumatoid Arthritis	Sarika Patil ,Dr. Akshada A. Koparde	Cureus (Springer) 16(10)	Pubmed, (IF:1.2)	2024
39	Theranostic Applications of Scaffolds in Current Biomedical Research	Sarika Patil ,Dr. Akshada A. Koparde	Cureus (Springer) 16(10)	Pubmed, (IF:1.2)	2024
40	Current Perspectives on Development and Applications of Cocrystals in the	Chavan DD, Shete A.S et al.	Cureus (Springer) 16(9)	Pubmed, (IF:1.2)	2024



	Pharmaceutical and Medical Domain				
41	Recent Advances in the Development and Utilization of Nanoparticles for the Management of Malignant Solid Tumor	Chavan DD, Shete A.S et al.	Cureus (Springer) 16(9)	Pubmed, (IF:1.2)	2024
42	Development, characterization, and assessment of PLARosomal vesicular system of curcumin for enhanced stability and therapeutic efficacy	Dr.N R.Jadhav (Coauthor)	Future Journal of Pharmaceutical Sciences	Web of Science 2.6 Impact factor	2024
43	Cellular stress response and neuroprotection of flavonoids in neurodegenerative diseases: Clinical insights into targeted therapy and molecular signaling pathways	Dr Trupti P. Durgawale	Brain Research 1847 (2025) 149310	Elsevier Scopus Impact factor 2.7 Q2	2024
44	Study of effect of Brassica oleracea L. var. italica on fertility in normal mice and rats model	Mrs. Sarika Patil et.al.	South African Journal of Botany 174 (2024) 437-445	Science direct Elsevier	2024



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