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Patents

Sr. No	Title	Applicants	Application No.
1.	Extraction of Rutin and Preparation of Nanosuspension for Effective Antitussive/Expectorant Therapy, Method Thereof	K.K. Moravkar S. S. Chalikwar	20121038005
2.	Device for Automated Solar Cleaning	L. S. Sonawane R. R. Patil R. R. Shimpi S. S. Chalikwar A. A. Shirkhedkar S. J. Surana	20221021112

Research Publications 2021 Volume I

Sr. No.	Name(s) of Author(s)	Title	Journal, vol. Year, page no.	IF	Page no.
1.	U. V. Deore, H. S. Mahajan	Hydrogel for topical drug delivery based on Mimosa pudica seed mucilage: Development and characterization	Sustainable Chemistry and Pharmacy, 2022 , Vol. 27, pp. 100701	4.567	
2.	M. B. Kapade, U. N. Katolkar, P. G. Jain, G. S. Bhandari, S. J. Surana	Extraction process, Chemical properties, molecular mechanism of Cocos nucifera – an overview	Doctrines of Integrative Medicine, Pharmacy and Science - the International Journal, 2021, Vol. 1(2), 18-31		
3.	A Nagar, P. Jain, S. Bodkhe, K. Agrawal, U. Salunke	Active Enantiomeric Form of Pregabalin Based on Sole and Coupled Chromatography Methods	Pharm Methods, 2022; 13(1): 14-27		
4.	N. Dhas, M. C. García, R. Kudarha, A. Pandey, A. N. Nikam, C. Pardeshi	Advancements in cell membrane camouflaged nanoparticles: A bioinspired platform for cancer therapy	Journal of Controlled Release, 2022, Vol. 346, pp. 71-97	11.47	
5.	K. S. Joshi, R. O. Sonawane, C. V. Pardesh	New κ -Carrageenan-montmorillonite Polyelectrolyte Complex used as a Polymer for the Extended Release Circular Pellets Containing Tapentadol Hydrochloride: Statistical	Materials Technology 2022, Vol. 37(6), pp. 367–380	3.21	

		optimization			
6.	K. Sonawane, Y. Patil, J. Marathe, S. D. Patil, H. Chaudhari	Investigation of Short Term and Long-Term Hazards of Hydroxychloroquine in COVID-19: Physician Perception	International Journal of All Research Education and Scientific Methods, Vol. 9, (10), 2021		
7.	R. O. Sonawane, S. D. Patil, C. V. Pardeshi, H. S. Mahajan, P. P. Nerkar	New glyoxalated pre-gelatinized starch as release retardant for extended release pellets containing zaltoprofen: statistical optimization, in-vitro and invivo evaluation	Particulate Science and Technology https://doi.org/10.1080/02726351.2021.1972374	2.356	
8.	D. Desale, S. Patil, H. Chaudhari	Yoga, Meditation And Pranayama - Challenging Therapy To Prevent The Risk Of Prevalence Of Depression And Anemia In Tuberculosis: A Review	World Journal Of Pharmacy And Pharmaceutical Sciences, 2021, 10(9)		
9.	P. B. Ninave, S. D. Patil	Pharmacological screening of Acalypha indica L.: Possible role in the treatment of asthma	Journal of Ethnopharmacology, 2022, Vol. 290, pp. 115093	4.36	
10.	K. D. Mali, M. A. Patil, K. K. Vairagde, H. R. Patil, G. B. Shevkar	A review on garden cress seeds: Mucilage isolation methods, chemical constituents, pharmacological profile, and pharmaceutical application	The Pharma Innovation Journal 2022; 11(7): 639-646		
11.	A. P. Gorle, S. S. Bagal, V. S. Khalane	Improvement in Solubility by Solid Dispersion Techniques via Freeze Drying method of Antiepileptic Drug.	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2022, 13(2), pp. 85-103		
12.	A. Gorle, K. Ahire, R. Shende	Design, Development and Characterization of Nanoemulsion developed by High Pressure Homogenization (HPH) method Containing Antifungal Drug	Journal of Drug Delivery & Therapeutics, 2022, Vol. 2(2), pp. 24-32		
13.	K. R. Mahajan, A. P. Gorle, V. S. Khalane	Overview on pulsatile drug delivery system	International Journal of Science and Research Archive, 2022, 05(02), 110–118		
14.	G. Shevkar, M. Pawar, P. Vavia	Nanostructured Lipid Carriers (NLCs) of Lumefantrine with Enhanced Permeation	Journal of Pharmaceutical Innovation https://doi.org/10.10		

			07/s12247-021-09590-1		
15.	V. Dere, G. Shevalkar	Transferosomes: Novel Approach For Transdermal Drug Delivery	World Journal Of Pharmacy And Pharmaceutical Sciences, Vol 11, Issue 4, 2022.		
16.	N.B. Charbe, Tambuwalla, M., Palakurthi, S.S., Warokar, A., Hromić-Jahjefendić, A., Bakshi, H., Zacconi, F., Mishra, V., Khadse, S.,	Biomedical applications of three-dimensional bioprinted craniofacial tissue engineering.	Bioengineering & Translational Medicine, 2022, pp. e10333.	7.09	
17.	A. Mhaikar, M. Shoeb, D. Mundhada, S. Patil	The Neuroprotective Effect of Ellagic Acid on Cognitive Impairment and Oxidative Stress Induced by Ptz-Kindling In Rats	International Journal Biology, Pharmacy, and Allied Sciences, 2022, Vol. 11(4), 1829-1846		
18.	A. Mhaikar, V. Bagul, S. Patil	Neuroprotective Properties of Medicinal Plants: A Comprehensive Review	Journal of the Maharaja Sayajirao University of Baroda, 2022, Vol. 56(1), pp. 57-46		
19.	P. Padmajaa, P. N. Reddy, B.V. S. Reddy, A. Tiwari, V. G. Ugale, A. Komati, B. Sridhar	Design, synthesis, in vitro α -glucosidase inhibitory, antioxidant activity and molecular docking studies of novel pyridine linked imidazo[1,2-a]pyridine derivatives	Journal of Molecular Structure, 2023, Vol. 1273, pp. 134238	3.841	
20.	M. A. Pawar, G. B. Shevalkar, P. R. Vavia	Design and Development of Gastro-retentive Drug Delivery System for Trazodone Hydrochloride: a Promising Alternative to Innovator's Controlled-Release Tablet	AAPS PharmSciTech, 2022, Vol. 23, pp. 251	4.026	
21.	P.D. Sonawane, S R Chaudhari, S. B. Ganorkar, A. S. Patil, A. A. Shirkhedkar	A brief review on critical analytical aspects for quantification of ambroxol in biological samples	Analytical Biochemistry, 657, 2022, 114888	3.19 1	
22.	S. B. Ganorkar, S R Chaudhari, P. S. Bobade, S. H. Pawar, A. A. Shirkhedkar	HPLC–PDA identification and resolution of rufinamide forced degradation impurities: A congregated chemometric expedite optimization coupled with factorials and desirability	Biomedical Chromatography, 36, 2022, e5345	1.91 1	

23.	S R Chaudhari, V. K. Salunkhe, H. S. Deore, A. A. Shirkhedkar	Using an eco-friendly biodegradable surfactant assisted UV-Spectrophotometric experiments for determination of vilazodone hydrochloride: Statistical comparative analysis on content uniformity assessment	Sustainable Chemistry and Pharmacy, 24, 2021, 100534	5.46 4	
24.	S R Chaudhari, A. A. Shirkhedkar	Exploring an experimental combination of analytical quality by design and green analytical chemistry approaches for development of HPTLC densitometric protocol for the analysis of barnidipine hydrochloride	Biomedical Chromatography, 2021, e5244	1.91 1	
25.	R. S. Cheke, S. D. Shinde, J. P. Ambhore, S. R. Chaudhari, S. B. Bari	Quinazoline: An update on current status against convulsions	Journal of Molecular Structure, 1248, 2022, 131384	3.84 1	
26.	P. J. Chaudhari, S. Bari, S. Surana, A. Shirkhedkar, S. Wakode, S. Shelar, S. Racharla, V. Ugale, M. Ghodke	Logical synthetic strategies and structure-activity relationship of indolin-2-one hybrids as small molecule anticancer agents: An overview	Journal of Molecular Structure, 1247, 131280	3.84 1	
27.	V. Malathi, N. Sharon, P. Padmaja, D. Lokwani, S. Khadse, P. Chaudhair, A. Shirkhedkar, P. N. Reddy, V. G. Ugale	Design, synthesis, and pharmacological evaluation of [1, 3] dioxolo-chromeno[2,3-b]pyridines as anti-seizure agents	Molecular Diversity, 2022	3.36 4	
28.	Chaudhari, P.J., Bari, S.B., Surana, S.J., Shirkhedkar, A.A., Bonde, C.G., Khadse, S.C., Ugale, V.G., Nagar, A.A. and Cheke,	Discovery and Anticancer Activity of Novel 1, 3, 4-Thiadiazole-and Aziridine-Based Indolin-2-ones via In Silico Design Followed by Supramolecular Green Synthesis.	ACS omega., 2022	4.13 2	

	R.S.				
29.	M. S. Patil, A. A. Shirkhedkar	Self-microemulsifying drug delivery system for solubility and bioavailability enhancement of Eprosartan Mesylate: Preparation, In-Vitro & In-Vivo Evaluation	Pharmaceutical Nanotechnology, 2022,	-	
30.	S. B. Ganorkar, Y. V. Heyden	Recent trends in pharmaceutical analysis to foster modern drug discovery by comparative in-silico profiling of drugs and related substances	TrAC Trends in Analytical Chemistry, 157, 2022, 116747	14.90	
31.	K. K. Moravkar, D. S. Shah, A. G. Magar, B. A. Bhairav, S. D. Korde, K. M. Ranch, S. S. Chalikwar	Assessment of pharmaceutical powders flowability and comparative evaluation of lubricants on development of gastro retentive tablets: An application of powder flow tester	Journal of Drug Delivery Science & Technology, 71, 2022, 103265	5.06	
32.	P. V. Dangre, S. B. Shinde, S. J. Surana, P. G. Jain, S. S. Chalikwar	Development and exploration on flowability of solid self-nanoemulsifying drug delivery system of morin hydrate	Advanced Powder Technology, 33, 2022, 103716	4.969	
33.	P. V. Dangre, N. J. Gurram, S. J. Surana, S. S. Chalikwar	Development and Optimization of Vitamin D3 Solid Self-Microemulsifying Drug Delivery System: Investigation of Flowability and Shelf Life	AAPS PharmSciTech, 23, 2022, 1-15	4.026	
34.	A. Rajput, P. Pingale, D. Telange, S. S. Chalikwar, V. Borse	Lymphatic Transport System to Circumvent Hepatic Metabolism for Oral Delivery of Lipid-Based Nanocarriers	Journal of Drug Delivery Science & Technology, 66, 2021, 102934	5.062	
35.	H. P. Borase, M. R. Borkar, K. K. Chaturvedi, D. Kar Mahapatra, S. S. Chalikwar, P. V. Dangre	Design and evaluation of natural deep eutectic solvents system for chrysin to elicit its solubility, stability, and bioactivity	Journal of Molecular Liquids, 345, 2022, 118205	6.633	
36.	P. A. Avhad, S. S. Chalikwar, B. B. Bhairav	A comprehensive review on complex generics	Medicine, 1, 2022, 129-135	-	
37.	V. P. sonar, P. V Dalvi, S. S. Chalikwar	Progress and Development in Treatment of Covid – 19, and Vaccine development: A Review	American Journal of PharmTech Research, 11, 2021, 42-59	-	

