

# Paper Publications

## ACADEMIC YEAR 2024-25

Sr. No.	Title of the Paper	Author and Co-authors	Department	Journal Name	Year	Volume	Issue	Page No.	DOI Number	Journal Type: Indexed
1.	Effect of Magnesium Stearate and Fines on Delivery of Dry Powder for Inhalation using Sucrose as a Carrier.	Jadhav G, <b>Dr. M. P. Wagh,</b> Inamdar N.	Pharmaceutics	International Journal of Drug Delivery Technology. ISSN: 0975 4415	2024	14	2	839-846	-	UGC-CARE
2.	Development and validation of a method for the simultaneous estimation of terpinene-4-ol and 1,8-cineole in Melaleuca alternifolia (Maiden & Betche) Cheel and Rosmarinus officinalis L. oil using HPTLC coupled with a QbD approach	<b>Monika S. Sonawane</b> <sup>a</sup> , Ummesalama Rampurawala <sup>b</sup> , Sanjay P. Anantwar <sup>c</sup>	Department of Pharmaceutical Chemistry, M.V.P. Samaj's College of Pharmacy, Nasik, India	Journal of Applied Research on Medicinal and Aromatic Plants ISSN 2214-7861	Dec 2024	43	-	Article 100584	DOI: <a href="https://doi.org/10.1016/j.jarmap.2024.100584">https://doi.org/10.1016/j.jarmap.2024.100584</a>	Indexed in both Scopus & Web of Science (SCIE) (Impact Factor: 3.6)
3.	Quisqualis indica Linn.: HRLCMS/MS profiling and anti-asthma activity of leaf extracts	Charulata T. Nemade, <b>Anilkumar N. Aher</b>	Pharmacognosy	Future Journal of Pharmaceutical Sciences, 2314-7253	2024	10	13	1-9	10.1186/s43094-024-00586-5	Web of Science, International
4.	Plumeria Rubra: A Blooming Delight - A Review of Nature's Floral Gem in Asthma	<b>Nikita Sunil Jadhav,</b> Pooja Lokhande, Pooja Patil, <b>Nutan Navle,</b> Chetan Darade,	Pharmacognosy	International Journal of Pharmaceutical Research and	2024	9	3	2314-2319	10.35629/494-090323142319	International

		<b>Dr. A N Aher, Dr. S R Gawali</b>		Applications, 2456-4494						
5.	Isolation of Phytopharmaceuticals by Flash Chromatography:	Akashada Kale, <b>Dr. A.N.Aher</b>	Pharmacognosy	International Journal of Creative Research Thoughts (IJCRT), 2320- 2882	2024	12	2	859- 860		International
6.	In-vitro Anti- inflammatory and Antioxidant Activity on Flower of Plumeria rubra	Manisha M. Surana, <b>A. N. Aher</b>	Pharmacognosy	Journal of Medicinal Plants Studies, 2320-3862 (Online), 2394- 0530 (Print)	2024	12	51	49-53		International
7.	Exploring the anti- asthmatic and anti- inflammatory potencies of Calotropis gigantea Linn flower extracts	Raosaheb Y. Ghegade, Vishal B. Jadhav, <b>Anilkumar N. Aher</b> , Pramod N. Katkade	Pharmacognosy	Research J. Pharmacy and Technology (ISSN 0974- 3618 (Print) 0974-360X (Online))	2025	18	2	671- 676	10.52711/0974- 360X.2025.00099	National
8.	Nature's Remedy: A Comprehensive Review Of Anti-Hypertensive Drugs	<b>Dr. Anilkumar Aher</b> , Samyak Jadhav, Yash Kadu, Shreya Gurgude, Rohit Jadhav, Aishwarya Halde	Pharmacognosy	INTERNATIONA L JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT) (ISSN: 2320-2882)	2025	13	3	h458- h467		International

9.	Characterization and Investigation Study on Agave sisalana Perrine	<b>Anikumar Aher, Sonali Gawali,</b> Chetan Darade, Pranjal Jadhav, Vaishnavi Kamble, Suraj Kharat, Harshada Tamkhane, Vaibhav Pawar	Pharmacognosy	Asian Journal of Pharmaceutical Analysis (ISSN 2231-5667 (Print) 2231-5675 (Online))	2025	15	02	103-108	10.52711/2231-5675.2025.00017	International
10.	Pharmacognostic Review on Thunbergia grandiflora Roxb. (Family - Acanthaceae)	<b>Anilkumar Aher, Sonali Gawali,</b> Pranjal Jadhav, Chetan Darade, Vaishnavi Kamble, Suraj Kharat, Harshada Tamkhane	Pharmacognosy	Research Journal of Pharmacognosy and Phytochemistry (ISSN 0975-2331 (Print) 0975-4385 (Online))	2025	17	02	135-142	10.52711/0975-4385.2025.00023	National
11.	Evaluation of Neuroprotective Effect of Salicin in an Experimental Animal Model of Streptozotocin Induced Diabetic Neuropathy	<b>G.B.Jadhav</b> S.J.Khairnar	Pharmacology	JOURNAL OF NATURAL REMEDIES eISSN: 2320-3358	2024	24	6	1275-1287	DOI: 10.18311/jnr/2024/35277	Scopus
12.	Acute and sub-acute toxicity studies of hydro-alcoholic extract of dried fruits of Piper longum Linn in Wistar rats	<b>G.B.Jadhav</b> S.B.Pokale	Pharmacology	Advances in Traditional Medicine 2662-4052 (print) 2662-4060 (online)	2024	24	1	179-190	<a href="https://doi.org/10.1007/s13596-023-00680-8">https://doi.org/10.1007/s13596-023-00680-8</a>	Springer

13.	Unlocking The Power of Phytochemicals In Parkinson's Disease: Bridging Current Insight To Future Therapeutics Innovations	<b>Vandana S. Nade</b> , Vaishnavi A. Ahire, Vaishnavi B. Nikam, <b>Laxman A. Kawale</b> , <b>Pooja V. Bombale</b> , Divya A. Patil and Priyanka J. Hemake	Pharmacology	World Journal of Pharmaceutical Research ISSN 2277-7105	2024	14	3	1286-1308	10.20959/wjpr20253-35483	Peer-reviewed
14.	Pathophysiological Insights and The Role of Flavonoids In Alzheimer's Disease Treatment	<b>Dr. Ghanshyam B. Jadhav</b> , Urmila M. Aware, <b>Pooja V. Bombale</b> , Bhagyashri D. Thombare, Dipali D. Warghade and Tanuja S. Pagar	Pharmacology	World Journal of Pharmaceutical Research ISSN 2277-7105	2024-25	14	9	108-130	10.20959/wjpr20259-35538	Peer-reviewed
15.	Therapeutic potential of methyl gallate and cilnidipine in diabetic neuropathy: An integrated in silico, in-vivo approach via regulation of AGE, GAT-1, CaV2.2	<b>Vandana S. Nade</b> , Divya A. Patil, <b>Laxman A. Kawale</b> , Priyanka J. Hemake	Pharmacology	International Journal of Educational Research 0883-0355	2025	131	-	79-112	<a href="https://doi.org/10.1050/j.ijer.2025.131.79-112">DOI.ORG/10.1050/j.ijer.2025.131.79-112</a>	Scopus

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16.	Rubiadin: Unveiling its photodynamic mechanisms for cancer therapy	<b>Vandana S. Nade</b> , Priyanka J. Hemake, Divya A. Patil, <b>Laxman A. Kawale</b> , Vaishnavi A. Ahire and Vaishnavi B. Nikam	Pharmacology	World Journal of Pharmaceutical Research, ISSN 2277-7105, SJIF Impact Factor : 8.45	2025	2	14	330-355	DOI: 10.20959/wjpr20252-35222	Peer-reviewed
17.	Bioanalytical method development and validation of telmisartan in human plasma by HPLC using solid phase extraction technique	<b>Laxman. A. Kawale</b> , Pooja. D. Ahire, <b>Vandana. S. Nade</b> , A. K. Lade	Pharmacology	World Journal of Pharmacy and Pharmaceutical Sciences. SJIF Impact Factor 8.025, ISSN 2278 – 4357.	2024	12	13	1400-1412	DOI : <a href="https://doi.org/10.20959/wjpps202412-28766">10.20959/wjpps202412-28766</a>	Peer-reviewed
18.	Targeting calcium dependant/cAMP/PKA /CREB pathway and GABAergic transmission by drotaverine and hesperidin for amelioration of tardive dyskinesia.	<b>Vandana Nade</b> , Neelofar Shaikh, Bhakti Pathak, Sumit Buye, Tejas Hatgaonkar, Prachi Shewale, <b>Laxman Kawale</b>	Pharmacology	International Journal of Research in Pharmaceutical Sciences. ISSN 0975-7538	2024	3	15	68-78	<a href="https://doi.org/10.26452/ijrps.v15i3.4700">https://doi.org/10.26452/ijrps.v15i3.4700</a>	Scopus
19.	Development And Validation of Bioanalytical RP-HPLC Method For Telmisartan Using Liquid-Liquid Extraction.	<b>Laxman A. Kawale</b> , Tanmay H. Tajane, Madhavi P. Shinde, Amol V. More	Pharmacology, Pharmaceutical chemistry	World Journal of Pharmacy and Pharmaceutical Sciences. ISSN 2278-4357 SJIF Impact Factor 8.025,	2024	9	13	1501-1514	DOI: 10.20959/wjpps20249-28235	Peer-reviewed

20.	Design, synthesis, and evaluation of anxiolytic activity of 2-(4-phenylpiperazin-1-yl)-1H-benz[d]imidazole and 2-(4-phenylpiperazin-1-methyl)-1H-benz[d]imidazole derivatives.	Bhavna Sunil Mahajan, <b>Laxman A. Kawale</b> , Vandana S. Nade, Supriya Unavane, Lida Sajimon and Prajakta Kapadnis	Pharmaceutical chemistry	Future Journal of Pharmaceutical Sciences	2024	50	10	1-9	<a href="https://doi.org/10.1186/s43094-024-00626-0">https://doi.org/10.1186/s43094-024-00626-0</a>	Springer Open
21.	Evaluation of Protective Effect of Gemigliptin and Rizatriptan in Streptozotocin induced Diabetic Neuropathy in Rats.	<b>KN Mundlod, GB Jadhav</b> , SJ Khairnar, PB Udavant, RR Sable,	Pharmaceutical Chemistry	Biosciences Biotechnology Research Asia Online ISSN: 2456-2602 Print ISSN: 0973-1245	2024	21	1	147-156	<a href="http://dx.doi.org/10.13005/bbra/3210">http://dx.doi.org/10.13005/bbra/3210</a>	Web of Science
22.	Synthesis, Characterization, Antifungal Evaluation, and In Silico Studies of Novel Imidazole-Pyrazole and Imidazole-Isoxazole Clubbed Scaffolds	Rohini Deshmukh, Mahesh Dumbare, Shamrao Disale, Sandip Kale, Ashish Asrondkar, Mahesh Kulkarni, Nitin Gaikwad	Pharmaceutical Chemistry	The Journal of Molecular Structure has two ISSN numbers: an online ISSN of 1872-8014 and a print ISSN of 0022-2860	2025	1328	2	141289	<a href="https://doi.org/10.1016/j.molstruc.2024.141289">https://doi.org/10.1016/j.molstruc.2024.141289</a>	Scopus, Web of Science
23.	An Innovative Quality by Design Approach for Analytical RP-HPLC Method Development and Validation for Simultaneous Determination of	Amol Jagdale, <b>Mahesh Dumbare</b> , Mayuri Bahegavhankar, Priyanka Thorat	Pharmaceutical Chemistry	International Journal of Biology, Pharmacy and Allied Sciences with ISSN: 2277-4998	2024	13	2	735-752	<a href="https://doi.org/10.31032/IJBPAS/2024/13.2.7774">https://doi.org/10.31032/IJBPAS/2024/13.2.7774</a>	Web of Science

	Hydrochlorothiazide and Olmesartan Medoxomil in its Bulk and Tablet Dosage									
24.	Preparation and characterization of microwave assisted bionanocomposites for enhancement of physicochemical properties of olmesartan	Avinash Darekar, <b>Mrudula Bele</b> , Milind Wagh, <b>Dilip Derle</b>	Pharmaceutics	Research Journal of Pharmacy and Technology	2024	17	3	1332-1335	<a href="https://doi.org/10.52711/0974-360X.2024.00209">10.52711/0974-360X.2024.00209</a>	Peer reviewed, international, Scopus
25.	Characterization and Investigation Study on Agave sisalana Perrine	<b>Dr. Sonali R. Gawali</b>	Pharmacognosy	Asian Journal of Pharmaceutical Analysis 2231-5667 (Print) 2231-5675 (Online)	2025	15	2	103-108	10.52711/2231-5675.2025.00017	UGC-CARE
26.	Pharmacognostic Review on Thunbergia grandiflora Roxb. (Family - Acanthaceae)	<b>Dr. Sonali R. Gawali</b>	Pharmacognosy	Research Journal of Pharmacognosy and Phytochemistry 0975-2331 (Print) 0975-4385 (Online)	2025	17	2	135-142	10.52711/0975-4385.2025.00023	UGC -CARE
27.	Ethosomes Carrying Etodolac-Effective Drug Carrier As Topical Dosage Form In The Treatment Of Rheumatoid Arthritis	<b>Ashwini A. Bachhav</b> , Prashant L. Pingale, Chandrashekhar D. Upasani	Pharmaceutics,	International Journal of Applied Pharmaceutics ISSN- 0975-7058	2025	17	01	397-409	<a href="https://dx.doi.org/10.22159/ijap.2025v17i1.52153">https://dx.doi.org/10.22159/ijap.2025v17i1.52153</a>	Scopus UGC-Care

28.	Pharmaceutical Development Of Etodolac Transfersomal Gel For Topical Drug Delivery System In Rheumatoid Arthritis	<b>Ashwini A. Bachhav,</b> Prashant L. Pingale, Chandrashekhar D. Upasani	Pharmaceutics,	Journal of Applied Pharmaceutical Research ISSN: 2348 – 0335	2024	12	04	155-170	<a href="https://doi.org/10.69857/joapr.v12i4.597">https://doi.org/10.69857/joapr.v12i4.597</a>	Scopus
29.	Formulation development and evaluation of nasal in situ gel of promethazine hydrochloride	<b>Surabhi V. Boraste,</b> Sanjay B. Patil	Pharmaceutics	Drug Development and Industrial Pharmacy	2024	50	1	11-22	<a href="https://doi.org/10.1080/03639045.2023.2291463">https://doi.org/10.1080/03639045.2023.2291463</a>	Scopus, peer reviewed, International
30.	The Modified Emulsion Solvent Diffusion Method's for the Development and Evaluation of Metformin Hydrochloride Floating Microspheres	Gayatri Polakhare, Pratiksha Yawalkar, Dipali Jadhav, <b>Mayuri Jadhav</b>	Pharmaceutical Chemistry	Inventi Rapid: NDDS 0976-3791	2024		3	1-7		UGC-CARE
31.	Spectrophotometric Method Development and Validation for Estimation of Azelnidipine in Bulk and Marketed Dosage Form	Janhavi M Deokute. Deepika A. Jagadale. <b>Mayuri S. Jadhav.</b> Ritu A. Bairagi.	Pharmaceutical Chemistry	NOVYI MIR Research Journal 0130-7673	2024	9	8	159-173		UGC-CARE
32.	Method Development and Validation of a UV Spectroscopic Approach for the Investigation of Ibrutinib in Bulk and Dosage Forms for Pharmaceuticals	<b>Kishori Laxman Deore,</b> Gokul Shravan Talele	Pharmaceutical Chemistry	Biosciences Biotechnology Research Asia	2025	22	2	675-685	<a href="http://dx.doi.org/10.13005/bbra/3393">http://dx.doi.org/10.13005/bbra/3393</a>	Web of Science

33.	Impacts of Microplastic Exposure on Animal Physiology and Health: A Global Perspective	Shankar S. Yelmame, Aniket S. Sonawane, Priya Katiyar, Namita A. Joshi and <b>Kishori N. Ahire</b>	Pharmaceutical Chemistry	Uttar Pradesh Journal of Zoology ISSN: 0256-971X (P)	2025	46	13	312-333	UPJOZ.5166	Peer-reviewed
34.	Therapeutic and pharmacological relevance of stingless bee pollen in human health: A review	Shankar S Yelmame, Srinivas Nandyala, Marina GD'souza, <b>Kishori N Ahire</b> , Laxmikant B Borse	Pharmaceutical Chemistry	International Journal of Entomology Research	2025	10	5	91-95		Peer-reviewed
35.	High-Performance Liquid Chromatography Assessment of Propofol Stability in Pharmaceuticals	Ganesh B. Shevalkar, Hemant U. Chikhale, <b>Kishori N. Ahire</b> , Sreya Kosanam, Laxmikant B. Borse	Pharmaceutical Chemistry	Asian Journal of Pharmaceutics	2024	18	2	446-454	<a href="https://doi.org/10.22377/ajp.v18i02.5453">https://doi.org/10.22377/ajp.v18i02.5453</a>	Web of Science, UGC-CARE, International
36.	Formulation And Evalution of Mucoadhesive Buccal Film of Azilsartan Medoximil By Solvent Casting Method	Harshal Mahajan, Irfan Ahmad, Prashant Salunke, <b>Priyanka Shirsat</b>	Pharmaceutics	Cuest fisioter	2025	54	4	414-427		UGC CARE Journal
37.	Formulation and evaluation of ayurvedic shampoo tablet by using herbal ingredient	Durgesh Pagar, <b>Nishigandha Tapkire Nikita Jadhav</b> , Varsha	Pharmacognosy	International Journal of Scientific	2024	1	2	33-36		Open access, Pear reviewed

		Kamble, Bhairavi Raut		Research and Technology ISSN: 2394-7063						
38.	Formulation & evaluation of multi- herbal anti diabetic cookies	Durgesh Pagar, Dipika Gosavi, <b>Nikita Jadhav</b> , Vaibhav Pawar	Pharmacognosy	International Journal of Pharmaceutic al Science ISSN: 0975-4725	2024	2	8	3918- 3923		Open access, Peer reviewed



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