Prof. Rashmi Mishra

Research Publications

S.N.	Publications	Session
1	Mishra, R., Sharma, D., Agarwal, C. & Banerjee, B. (2026). Antimicrobial efficacy of Cinnamomum species leaf and bark oils. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-1-1565	2025-26
2	Mishra, R., & Sharma, D. & Verma, A. (2026). Cinnamomum bark essential oils antibacterial efficacy against enteric pathogens: Implications for human health. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-1-1568	2025-26
3	Mishra, R., & Sharma, D. & Verma. A (2026). Cinnamomum bark oils: Antifungal properties, mechanisms of action and health. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-1-1567	2025-26
4	Mishra, R., Sharma, D., & Agarwal, C. (2026). Cinnamomum-derived essential oils as natural antifungal agents therapeutic potential. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-1-1566	2025-26
5	Singhal, D. & Mishra, R. (2026). In-silico screening of Lavandula angustifolia L. to relieve migraine: A drug repurposing. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-2-1578	2025-26
6	Choudhary, K. and Mishra, R. (2026). Therapeutic potential of rosemary oil (Rosmarinus officinalis L.) in Alzheimer's disease: A review of neuroprotective and cognitive-enhancing effects. Allelopathy Journal. https://doi.org/10.26651/allelo.j/2026-67-2-1577	2025-26
7	Sahay, M., Mazumder, A., Pentela, B., Mishra, R., & Singh, G. (2025). Unveiling the sudden surge in cardiac arrest among Indian youth: Causes, clinical care and natural remedies. Journal of Natural Remedies. https://doi.org/10.18311/jnr/2025/44919	2025-26
8	Singla, A., Sudheer, K., Sahu, S., Mishra, R., Chandna, M., & Mane, D. (2025). Effectiveness and toxicity of ivermectin for the management of COVID-19: A meta-analysis. Health Leadership and Quality of Life, 4, Article 624. https://doi.org/10.56294/hl2025624	2025-26
9	Roy, M., Mazumder, R., Singh, N., Bhardwaj, S., Mishra, R., Mishra, R., & Kumar, B. (2025). Beyond conventional: Nanotechnology-driven herbal interventions in the treatment of polycystic ovary syndrome. Current Drug Therapy, 20(8), 1101–1114. https://doi.org/10.2174/0115748855313334240827071434	2025-26
10	Chauhan, M., Mazumder, R., Rani, A., Mishra, R., & Pal, R. S. (2025). Preparations, applications, patents, and marketed	2024-25

	formulations of nanoemulsions - a comprehensive review. Pharmaceutical Nanotechnology, 14(1), 78–93. https://doi.org/10.2174/0122117385325186240912110731	
11	Yadav, K., Selvaraj, B. N. X., Mishra, R., Kumar, A., Bhushan, B., & Pandre, K. (2025). The impact of a Mediterranean dietary on the variables linked to an increased likelihood of cardiac diseases. Health Leadership and Quality of Life, 4, Article 613. https://doi.org/10.56294/hl2025613	2024-25
12	Singh, A., Mazumder, A., Das, S., Kanda, A., Prabhakar, V., Mishra, R., & Chaitanya, M. V. N. L. (2025). Bovine colostrum: Unveiling its potent health benefits and emerging trends in optimizing well-being. The Natural Products Journal, 15(5), Article e130624231023. https://doi.org/10.2174/0122103155310246240603074349	2024-25
13	Khan, A., Mazumder, A., Pentela, B., Mishra, R., & Singh, S. K. (2025). The ability of indigenous plants in alleviating rheumatoid arthritis: A comprehensive review. Current Rheumatology Reviews, 21(5), 505–518. https://doi.org/10.2174/0115733971322472241022095935	2024-25
14	Chauhan, M., Mazumder, R., Rani, A., Mishra, R., & Pal, R. S. (2026). Preparations, applications, patents, and marketed formulations of nanoemulsions - a comprehensive review. *Pharmaceutical Nanotechnology*, *14*(1), 78–93. https://doi.org/10.2174/0122117385325186240912110731	2024-25
15	Singh, A., Mazumder, A., Das, S., Kanda, A., Mishra, R., & Chaitanya, M. V. N. L. (2025). Delving into autophagy: Utilizing natural bioactive compounds to combat Alzheimer's disease. Current Bioactive Compounds, 21(6), Article e15734072311552. https://doi.org/10.2174/0115734072311552240718112619	2024-25
16	Singh, A., Mazumder, A., Das, S., Mishra, R., & Chaitanya, M. V. N. L. (2025). Nanomedicine in Alzheimer's therapy: Enhancing drug delivery strategies. Current Nanomedicine, 15(5), 589–608. https://doi.org/10.2174/0124681873312057240622175745	2024-25
17	Kurup, R.R., Mishra, R., Mazumder, R., Mazumder, A. Singh, G., & Mishra, R. (2025). Synthetic strategies and pharmacological significance of pyridine thiadiazole derivatives: A contemporary overview. Letters in Organic Chemistry, 22(5). https://doi.org/10.2174/0115701786324821241113054029	2024-25
18	Debnath, A., Rani, A., Mazumder, R., Mazumder, A., Singh, R. K., Sharma, S., Srivastava, S., Chaudhary, H., Mishra, R., Khurana, N., Sanchitra, J., & Jan, S. K. A. (2026). Discovery of novel PTP1B inhibitors by high-throughput virtual screening. Current Computer-Aided Drug Design, 22(1), 61–86. https://doi.org/10.2174/0115734099278007241004105500	2024-25
19	Singh, S.,Mazumder, R., Padhi, S., Mishra, R. & Kumar, B. (2024). Unlocking skin barriers: Applications and properties of natural permeation enhancers. Journal of Natural Remedies.	2024-25

	https://doi.org/10.18311/jnr/2024/45113	
20	Tripathi, S., Kumar, R., Mazumder, A., Salahuddin, Singh, H., Yadav, R. K., Kukreti, N., Mishra, R., & Singh, S. (2024). Oxidative coupling: An important tool for pyrrole synthesis. Letters in Organic Chemistry, 21(12), 993–1005. https://doi.org/10.2174/0115701786304220240320073540	2024-25
21	Mishra, R., & Singh, G. (2024). Synthesis, in vitro, in silico, and molecular docking studies of some new benzothiazole-linked pyrazoline derivatives as orally administered beta-ketoacyl-ACP synthase III and malonyl-CoA inhibitors. Indian Journal of Heterocyclic Chemistry, 34(03), 289-298. https://doi.org/10.59467/ijhc.2024.34.289	2024-25
22	Varshney, K., Mazumder, R., Rani, A., Mishra, R., & Khurana, N. (2024). Recent research trends against skin carcinoma-an overview. Current Pharmaceutical Design, 30(34), 2685–2700. https://doi.org/10.2174/0113816128307653240710044902	2024-25
23	Raj, R., Mazumder, R., Mishra, R., Mishra, R., & Baghel, D. S. (2024). Role of chronotherapy in the management of hypertension: An overview. Current Drug Therapy, 19(7), 794–808. https://doi.org/10.2174/0115748855278395240119063324	2024-25
24	Bartwal, D., Gupta, S., Mishra, R., Sharma, P., & Mahajan, N. C. (2024). Leiomyosarcoma: Epidemiology and treatment approaches. Onkologia i Radioterapia, 18(8), 1. https://www.oncologyradiotherapy.com/	2024-25
25	Kharbanda, J., Mazumder, R., Bhardwaj, S., Mazumder, A., Mishra, R., Mishra, R., & Kumar, B. (2024). Phytoconstituents-based nanotherapeutic approach for the effective management of joint inflammatory condition: Arthritis. Current Drug Targets, 25(10), 700–714. https://doi.org/10.2174/0113894501306516240531053653	2024-25
26	Joshi, R. C., Srivastava, P., Mishra, R., Burget, R., & Dutta, M. K. (2024). Biomarker profiling and integrating heterogeneous models for enhanced multi-grade breast cancer prognostication. Computer Methods and Programs in Biomedicine, 255, 108349. https://doi.org/10.1016/j.cmpb.2024.108349	2024-25
27	Mishra, R., Pandey, P., & Khan, F. (2023). Unravelling the influence of nutrition and mental stress on immune response. Endocrine Metabolic & Immune Disorders-Drug Targets, 23(4), 423–427. https://doi.org/10.2174/1871530322666220928143601	2022-23
28	Singhal, D., & Mishra, R. (2023). Edible vaccine-an effective way for immunization. Endocrine Metabolic & Immune Disorders-Drug Targets, 23(4), 458–463. https://doi.org/10.2174/1871530322666220621102818	2022-23
29	Rautela, D. S., Das, S., Mazumder, A., Sharma, B., Mishra, R., & Singh, G. (2025). Current aspects of nanotechnology-based healing approaches for diabetic wounds. Current Nanomedicine, 15(4), 432–447. https://doi.org/10.2174/0124681873312611240520091435	2023-24

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31	Deepak, S., Ojha, A., Acharjya, K., Mishra, R., Gantra, A., Kalaiarasan, C., Upadhyay, R., & Walke, S. (2024). A novel and proposed triad machine learning-based framework for the prognosis of Huntington's disease. International Journal of Information Technology (Singapore). https://doi.org/10.1007/s41870-023-01719-4	2023-24
32	Sharma, U., Kumar, R., Mazumder, A., Salahuddin, Kukreti, N., Mishra, R., & Chaitanya, M. V. N. L. (2024). Substrate-based synthetic strategies and biological activities of 1,3,4-oxadiazole: A review. Chemical Biology and Drug Design. https://doi.org/10.1111/cbdd.14552	2023-24
33	Roy, T., Padhi, S., Mazumder, R., Majee, C., Das, S., Monika, Mishra, R., & Kapoor, B. (2024). Alleviating neurodegenerative diseases associated with mitochondrial defects by therapeutic biomolecules. Current Topics in Medicinal Chemistry, 24(16), 1377–1407. https://doi.org/10.2174/0115680266299148240329062647	2023-24
34	Jain, P., Mishra, R., Debnath, A., & Sharma, S. (2023). Potential of Azadirachta indica A. Juss., Eucalyptus globulus Labill. and Ocimum sanctum L. Phytochemicals as Herbal Hand Sanitizer: A Review. Allelopathy Journal, 60(2), 183. https://doi.org/10.26651/allelo.j/2023-60-2-1463	2023-24
35	Mishra, R., Rajiv, A., Chaudhary, P., & Sharma, B. (2024). Evolution of ceramic additive manufacturing: A comprehensive survey for high-performance and dental applications. Multidiscip. Rev, 6. https://doi.org/10.31893/multirev.2023ss054	2023-24
36	Verma, J., Mishra, R., Mazumdar, A., Singh, R., & El-Gendy, N. S. (2023). Development and evaluation of an eco-friendly hand sanitizer formulation valorized from fruit peels. International Journal of Biomaterials, 2023(1), 2516233. https://doi.org/10.1155/2023/2516233	2023-24
37	Ganapathy, K., Kumar, B., Shekhawat, S., Mishra, S., Mishra, R., & Patel, J. D. (2023). EXPLORING CLINICAL VARIATIONS AND CO-MORBID TRENDS IN PD-MCI GROUPS. Georgian Medical News, (343), 165-171. https://geomednews.com/submissions/index.php/gmn/index	2023-24
38	Bana, S., Kumar, N., Sartaj, A., Alhalmi, A., Qurtam, A. A., Nasr, F. A., Mishra, R. & Goel, R. (2023). Rubia cordifolia L. attenuates diabetic neuropathy by inhibiting apoptosis and oxidative stress in rats. Pharmaceuticals, 16(11), 1586. https://doi.org/10.3390/ph16111586	2023-24