

Dr. Manoj Sharma
Professor



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Biography: -

Dr. Manoj Sharma obtained his B. Pharm from Barkatullah University, Bhopal in 1999 and M.Pharm (Pharmacology) from Rajiv Gandhi University of Health Sciences (RGUHS), Bangalore, Karnataka in March 2003. After Qualifying Junior Research Fellowship (JRF) of DRDO, New Delhi in 2004, he joined as JRF in the Laboratory of Dr. R. Vijayaraghavan Head, Division of Pharmacology and Toxicology, Defence Research and Development Establishment (DRDE), Gwalior (MP) Followed by Senior Research Fellow (SRF) by in 2006 to pursue his Doctoral Work. He was awarded his PhD from Jiwaji University, Gwalior in April 2009.

He is presently working as a Professor in the Pharmacology and Toxicology Department, School of Studies in Pharmaceutical Sciences, Jiwaji University Gwalior India. His area of specialization is the Drug Discovery & Development including Development of Cytoprotective agents against alkylating anticancer agents induced injuries and toxicity, Nerve agent & Pesticide Toxicity etc. He has published more than 75 research papers in the Journal of National and International repute. He has authored / co-authored 07 books & 07 Book chapters and also obtained 2 Patents. He has completed 04 projects as Principal investigator and 07 Projects as a team member funded by AICTE, DRDE, UGC etc. He has supervised 06 PhD thesis & more than 30 M. Pharm student's dissertations. He received **Best Paper Award** in 2009 at DRDE Award Ceremony, Gwalior, India and **Jewel of India Award** by Education by Indian Solidarity Council, New Delhi in 2014. He also received the **Senior Scientist Award** by the Global Environment & Social Association, New Delhi in 2022. He is an **Honorary Fellow of the International Science Congress Association (FISCA)**. He was appointed as a **Member of the Scientific Panel of Pesticide Residue of FSSAI, New Delhi** in 2018 and 2023. He is a Recognized as a **ZED Assessor** of National Monitoring and Implementing Unit (NMIU), Quality Council of India, New Delhi since 2018. He also worked as **Focal Points for Governance Benchmarking Activity** in World Bank Project of Dept of Higher Education, Madhya Pradesh in 2019. He was nominated as "**CPCSEA Nominee**" by the Dept. of Animal Husbandry and Dairying, Govt. of India 2014. He has also been nominated as a **Young Pharmacologist Fellow** from the Central Region by the Indian Pharmacological Society (IPS). He is life member of several professional societies like STOX, IPS, APTI, LASA, APP, AFSTI etc.

Selected Publications:-

1. **Manoj Sharma, R Vijayaraghavan and Anshoo Gautam** (2009). DRDE-07 and its analogues as promising cytoprotectant to nitrogen mustard (HN-2) - An alkylating anticancer and chemical warfare agent. *Toxicology Letters*. 188(3):243-250. [ISSN: 0378-4274] (UGC J No. 2200)

2. Rajesh Singh Jadon, **Manoj Sharma** (2019). Docetaxel-loaded lipid-polymer hybrid nanoparticles for breast cancer therapeutics. *Journal of Drug Delivery Science and Technology*. 51: 475-484. [ISSN: 1773-2247] (UGC J No. 7133)
3. **Manoj Sharma**, R Vijayaraghavan and OP Agrawal (2010). Comparative toxic effect of nitrogen mustards (HN-1, HN-2 and HN-3) and sulphur mustard on haematological and biochemical variables, and their protection by DRDE-07 and its analogues. *International Journal of Toxicology*. 29(4):391-401. [ISSN: 1091-5818] (UGC J No.7703).
4. **Manoj Sharma**, R Vijayaraghavan and K Ganesan (2008). Comparison of toxicity of selected mustard agents by percutaneous and subcutaneous routes. *Indian Journal of Experimental Biology*.46: 822-830. [ISSN: 0975-1009] (UGC J No.20769).
5. **Manoj Sharma** (2016). Cytoprotective Efficacy of DRDE-07 and DRDE-30 against Cisplatin Induced Nephrotoxicity. *Journal of Biomedical and Pharmaceutical Research*. 05(05): 72-81. [ISSN: 2589-8752]
6. Rajesh Singh Jadon, Gajanand Sharma, Neeraj K. Garg, Rajesh Salve, Virendra Gajbhiye, Ujjawal Sharma, Om Prakash Katare, **Manoj Sharma**, Rajeev K. Tyagi, (2021). Efficient in vitro-in vivo docetaxel delivery via pH-sensitive LPHNPs for breast cancer therapy. *Colloids and Surfaces B: Biointerfaces*. 203;111760: 01-12. [ISSN: 0927-7765] (UGC J No. 16151).
7. **Manoj Sharma**, J Fernandes, Dheeraj Ahirwar and Ritesh Jain (2008). Hypoglycemic and hypolipidimic activity of alcoholic extract of citrus aurantium in normal and alloxan-induced diabetic rats. *Pharmacologyonline*. 3: 161-171. [ISSN: 1827-8620] (UGC J No. 30589).
8. Deepesh Parashar and **Manoj Sharma** (2022). Evaluation cytoprotective effect of silymarine, rutin and catechin on cyclophosphamide-induced toxicity on brain, heart and spleen of mice. *Asian Journal of Pharmaceutics*. 16(02): 214-222. [ISSN:0973-8398].
9. R. Vijayaraghavan, A Gautam, **Manoj Sharma**, Satish HT, SC Pant and K Ganesan (2008). Comparative evaluation of some flavonoids and tocopherol acetate against the systemic toxicity of sulphur mustard. *Indian Journal of Pharmacology*.40: 114-120. [ISSN: 0253-7613] (UGC J No. 20844).
10. R Vijayaraghavan, A Gautam, O Kumar, SC Pant, **Manoj Sharma**, S Singh, HT Satish, AK Singh, M Nivsarkar, MP Kaushik, RC Sawhney, OP Chaurasia and GBKS Prasad (2006). Protective effect of Ethanolic and water extracts of Sea Buckthorn (*Hippophaerhamnoides* L.) against the toxic effects of mustard gas. *Indian Journal of Experimental Biology*. 44:821-831. [ISSN: 0975-1009] (UGC J No. 20769)

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