BRIEF PROFILE

ICFAI
School of Pharmaceutical Sciences

Mr. Naveen Sharma **PhD Pursing** **M Pharm (Pharmacology)**	**Designation** **Assistant Professor** **ICFAI School of Pharmaceutical Sciences, The ICFAI University, Dehradun**

Academic Achievements

He completed his **Master of Pharmacy (M. Pharm)** in **Pharmacology** in 2022, where he undertook a comprehensive postgraduate research project titled **"Studying anti-anxiety and anti-depressant action of Clematis erecta aerial parts in mice."** His academic training reflects a strong foundation in formulation science, drug delivery, and pharmaceutical research methodologies.

Professional Experience

He has gained valuable academic and professional experience working as an **Assistant Professor** at **Chandigarh Group of Colleges, Jhanjeri, Mohali, Punjab** where he has also supervised student projects, guided seminars, and mentored students in their academic and professional growth, with a focus on developing strong conceptual understanding and practical skills. In addition to teaching, he has participated in departmental academic activities, such as organizing workshops, seminars, value-added programs, and internal assessments. He has engaged in continuous professional development, contributing to research, academic writing, and collaborative initiatives aligned with the institutional objectives.

Research interests also extend to preclinical and translational evaluation of novel formulations, including in vitro, ex vivo, and suitable in vivo/animal models for CNS and inflammatory conditions. Further, there is an ongoing interest in rational dosage form design, quality-by-design (QbD) approaches, and integration of evidence-based pharmacotherapy into teaching and clinical-oriented research.

Publications

He has published several insightful review articles, including

1.A Review on "The role of GATA4 in mesenchymal stem cell senescence: A new frontier in regenerative medicine". **International Immunopharmacology, 28, 2025 (I.F-3.4).**

2. A Review on "The role of CD95 in modulating CAR T-cell therapy: Challenges and therapeutic opportunities in oncology". **International Immunopharmacology, 144, 2025 (I.F-4.8).**

3. An Editorial on "Overcoming challenges in the design of drug delivery systems targeting the central nervous system**". Nanomedicine, 20 (1), 2025 (I.F-4.7).**

4. A Review on "Tau proteins and senescent Cells: Targeting aging pathways in Alzheimer's disease". **Brain Research, 1844, 2024 (I.F-2.7).**

5. A Review on “Examining the role of antioxidant supplementation in mitigating oxidative stress markers in Alzheimer’s disease: a comprehensive review”. **Inflammopharmacology, 2024 (I.F-4.6).**

6. A Review on “Unveiling the Involvement of Herpes Simplex Virus-1 in Alzheimer’s disease: Possible Mechanisms and Therapeutic Implications”. **Molecular Neurobiology, 2024 (I.F-4.6).**

7. A Review on “Non-coding RNAs (ncRNAs) as therapeutic targets and biomarkers inoligodendroglia”. **Pathology - Research and Practice, 264, 2024 (I.F-2.9).**

8. A Review on “CRBN-PROTACs in Cancer Therapy: From Mechanistic Insights to Clinical Applications”. **Chemical Biology & Drug Design, 104 (5), 2024 (I.F-3.2).**

9. A Review on “Addressing the Nipah virus threat: A call for global vigilance and coordinated action”. **Clinical Infection in Practice, 24, 2024 (I.F-2.1).**

10. A Review on Dose, “Destination and Delivery Aspects of Methotrexate”. International **Journal of Innovative Research and Technology, 10 (10), 2024**.

11.A research paper on “spatiotemporal bio-interaction and morphodynamics of a gastro-retentive saccharopolyspora-derived macrolide system in the vertebrate gut: a study on absorptive microecology and transit kinetics.”. **J. Exp. Zool. India Vol. 28, No. 2, 2025**.

2. A research paper on “Experimental Evaluation of Hepatorenal and Hematopoietic system response to Solanum Xanthocarpum in rattus Norvegicus: A Vertebrate Organ – Level study”. **J. Exp. Zool. India Vol. 28, No. 2, 2025.**

Patents

1. Indian Design Patent on **“Shell Type Horizontal Multi Pass Condensers”.**

2. Indian Design Patent on **“Digital Tablet Hardness Tester with Diameter Measurement”.**

3. Indian Patent on **“Plastic Nozzle Type Measuring Cylinder”.**

4. Indian Patent on **“Pharmaceutical Grade Muffle Furnace”.**

5. U.K Design Patent on **“Double Distillation Apparatus for Extraction of Volatile Oils”.**

6. Indian Patent on **“Portable Sequential Compression Device”.**

These publications reflect his continuing commitment to exploring innovative concepts in pharmaceutical science and modern healthcare technologies.

Industry Experience

He has gained industry exposure as a **Research Trainee at Mediforce Research Center**, Paonta Sahib. During this tenure, he assisted in routine laboratory experiments, sample handling, and participated in formulation designing activities for selected pharmaceutical products. This experience helped him understand the practical aspects of pharmaceutical research, including pre-formulation studies, selection of suitable excipients, and evaluation of basic formulation parameters in an industry setup.

He remains dedicated to academic excellence, research advancement, and fostering a strong learning environment for pharmacy students through his combined experience in academia, industry, and research.