

Name: Ms. Vanshika Bhatia

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Career Objective

A passionate and dedicated Pharmacology postgraduate aiming to leverage my academic knowledge, research experience, and teaching abilities to contribute to academic excellence and student development in a reputed institution. With a strong foundation in experimental pharmacology, toxicology, and a year of teaching experience, I seek to join a dynamic team where I can continue learning, conducting impactful research, and nurturing the next generation of healthcare professionals.

Academic Qualifications

Qualification	Board/University	Year	Marks/CGPA
M.Pharm (Pharmacology & Toxicology)	Guru Nanak Dev University, Amritsar	2024	7.54 CGPA
B.Pharm	Guru Nanak Dev University, Amritsar	2022	7.5 CGPA
12th (Medical Stream)	Punjab School Education Board (PSEB)	2018	80%
10th	Punjab School Education Board (PSEB)	2016	90%

Master's Research Project

Title: Investigation on the Role of Poly (ADP-Ribose) Polymerase Inhibitor Against Cadmium-Induced Renal Dysfunction in Rats

This research aimed to assess the nephroprotective and hepatoprotective potential of nicotinamide (a PARP inhibitor) in mitigating cadmium-induced renal toxicity and cadmium-induced hepatic toxicity in Wistar rats. Cadmium chloride was used to induce renal damage and hepatic damage. Key parameters assessed included serum urea, creatinine, ALT, AST, MDA, and GSH levels. Histopathological evaluation was conducted using H&E staining to observe renal tissue damage.

The study concluded that nicotinamide significantly restored renal function by reducing oxidative stress and inhibiting PARP overactivation. The data were statistically analyzed using GraphPad Prism software.

Supervisor: Dr. Amrit Pal Singh , Department of Pharmaceutical Sciences, Guru Nanak Dev University, Amritsar.

Research Publications

1. Mitigating Cadmium Nephrotoxicity: The Therapeutic Potential of Nicotinamide as PARP Inhibitor

DOI: <https://doi.org/10.5281/zenodo.14873039>

2. Disruption in Circadian Rhythm: Origin of Central Nervous System Disorders

ISSN: 2583-973X

Teaching Experience

Assistant Professor – Pharmacology

Amritsar Group of Colleges

July 2025 – Currently working

- Delivered lectures in Pharmacology and Toxicology to B.Pharm students.
- Supervised laboratory sessions including mast cell stabilizing assays and ulcer models.
- Prepared assessment questions, maintained attendance records, and guided students in internal projects.
- Participated in departmental meetings, workshops, and university inspection visits.

Internships & Trainings

Kwality Pharmaceuticals Ltd. – Industrial Internship (1 Month)

- Learned formulation and production of tablets, capsules, and injectables.
- Participated in GMP audit preparations and SOP documentation.
- Observed HPLC and UV-visible spectrophotometry in the QC department.

Atlantis Hospital, Amritsar – Clinical Internship (2 Months)

- Assisted in pharmacovigilance tasks including ADR reporting and data entry.
- Participated in patient counseling and medication reconciliation.
- Observed clinical pharmacology in action during ward rounds and OPD consultations.

Technical Skills

Animal Handling & Experimental Skills:

- Handling of rats and mice, drug administration (oral, IP), and blood collection.
- Dose calculation, behavior assessment, and euthanasia techniques.

Biochemical & Pharmacological Techniques:

- Serum analysis for urea, creatinine, liver enzymes.
- Oxidative stress markers: MDA, GSH, SOD, catalase.
- Anti-ulcer models, mast cell stabilization, CNS and GI screening.

Molecular Techniques (Basic Level):

- Basics of ELISA, protein assays, and exposure to immunohistochemistry.

Software & Instrument Handling:

- GraphPad Prism, MS Office (Word, Excel, PowerPoint)
- UV-visible spectrophotometer, centrifuge, hot plate, rotarod, actophotometer.

Documentation:

- GLP documentation, SOP writing, lab notebook maintenance, and project reporting.

Languages Known

- English – Fluent
- Hindi – Fluent
- Punjabi – Native

Strengths

- Well-versed in pharmacological models and toxicological screening.
- Strong academic writing, data interpretation, and presentation skills.
- Highly organized, punctual, and dependable with a calm temperament.

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Date: July 17, 2025

Place: Hoshiarpur

(Ms. Vanshika Bhatia)