

RAMAISH SHARMA

Pharmacovigilance & Drug Safety | Masters in Pharmacology

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Professional Summary

Masters in Pharmacology professional with hands-on experience in pharmacovigilance and drug safety, including Individual Case Safety Report (ICSR) processing, literature review, and case management. Comfortable working across safety databases and documentation workflows, with a strong research background in neuropharmacology and neurological disease models. Registered with the State Pharmacy Council.

Core Competencies

- ICSR processing, narrative writing, and case management
- Literature review and pharmacovigilance documentation
- Hands-on experience on safety databases: Argus, IVP, LSMV and ARCQ
- LDF handling and writing
- Data handling and reporting.

Work Experience

APCER Life Sciences | Pharmacovigilance / Pharmacovigilance Associate **August 2026 – Present**

- Hands-on experience with LSMV database.
- Process Individual Case Safety Reports (ICSRs) and spontaneous cases.

PAREXEL International Pvt. Ltd. | Pharmacovigilance / Drug Safety Associate **Jun 2024 – August 2026**

Patient Safety Associate I: Jun 2024-March 2026

Patient Safety Associate II: Got promoted in March 2026.

- Process Individual Case Safety Reports (ICSRs), literature cases, device cases and support end-to-end case workflows.
- Perform literature review and case management activities.
- Support pharmacovigilance operations and safety documentation.
- Hands-on experience with Argus database.
- Hands-on experience with IVP database.
- Hands-on experience with ARCQ database.
- Experience in LDF handling and writing.
- Acted as the SME and point of contact for complex case processing (ICSRs) and global regulatory timelines.
- Acted as the reviewer for literature cases, mentoring junior on causality assessment, MedDRA coding, and narrative writing to enhance the team's overall data quality
- Conducted root cause analysis (RCA) for quality gaps and implemented CAPAs (Corrective and Preventive Actions) to maintain audit readiness.

Internships

Corona Remedies Pvt. Ltd. | Industrial Internship Jun 2018 - Jul 2018

- Performed and checked the efficacy of disinfectants and antiseptics on pathogens.
- Observed and supported manufacturing of tablets.
- Witnessed the working of different equipment (Autoclave, Hot Air Oven flow, etc.).

Chaudhary Hospital | Clinical Internship May 2018 - Jun 2018

- Conducted detailed Patient Profile Reviews across various departments (e.g., General Medicine, ICU).
- Analyzed medication charts to identify potential drug-drug interactions and therapeutic redundancies.
- Actively participated in Active Surveillance and bedside monitoring to identify Adverse Drug Reactions (ADRs).
- Analyzed patient lab data (LFTs, CBC, Renal profile) to detect early Adverse Drug Reactions (ADRs) and monitor the safety and efficacy of various drug therapies.

Education

Degree	College/University	Score	Year	Topic
Masters in Pharmacology	ISF College of Pharmacy, Moga, Punjab (IKGPTU)	8.5 CGPA	2022-2024	Neuroprotective potential of oleanolic acid in the methylmercury-induced experimental model of ALS in adult Wistar rats
Bachelors in Pharmacy	LR Institute of Pharmacy, Jabli, Kiar, Solan (H.P.)	7.01 CGPA	2016-2020	Blockchain Technology for counterfeit Drugs.
12th	Govt. Sr. Sec. Dharamsal Mahantan, Distt. Una (H.P.)	80%	2014	Physics, Chemistry, Biology
10th	SVM High School, Chintpurni, Distt. Una (H.P.)	85.4%	2012	NA

Research Interests

Drug development and herbal/phytochemical approaches in drug discovery and biotechnology; investigating molecular mechanisms and diagnostic markers related to neuropsychiatric disorders (autism, Parkinson's, dementia, multiple sclerosis, anxiety, depression, ALS, and obsessive-compulsive disorder), and identifying strategies to improve communication.

Publications & Patent

Patent: SEBMA Apparatus (Smell Based Memory Analyzer Apparatus) on rodents - Application no. 417676-001.

Research Topic: Therapeutic potential of oleanolic acid in modulation of PI3K/Akt/mTOR/STAT-3/GSK-3B signaling pathways and neuroprotection against methylmercury-induced neurodegeneration - Neurochemistry International (Elsevier): Published.

Book chapter: Evaluating motor dysfunction and oxidative stress induced by trichloroethylene in Wistar rats - Neuroprotection (Springer), Published.

Review papers:

- Unraveling the multifaceted insights into amyotrophic lateral sclerosis: genetic underpinnings, pathogenesis, and therapeutic horizons - Mutation Research - Reviews in Mutation Research (Elsevier), Published.
- Interplay between shift work disorder and neurological disorders - Toxicology and Environmental Chemistry, Under Review.
- Deciphering ALS complexity: oligodendrocytes, multifaceted mechanisms, molecular pathways and insights from animal models in pathogenesis - Under Review.

Technical Skills

Documentation & Data Tools:

- Online documentation, data management, and manuscript writing for publication
- MS Word, MS Excel, and GraphPad Prism
- Any-maze software for recording and analyzing behavioral data

In Vivo / Lab Techniques:

- Animal handling: rats, zebrafish, mice, guinea pig, rabbit
- Rat and zebrafish brain dissection; organ dissection
- Stereotaxic cannula implantation and stereotaxic microinjection (rats)
- Drug administration routes: oral, i.p., i.v., i.m., i.c.v., and s.c. (rats/zebrafish); i.c.v. administration in zebrafish
- Sample collection: blood (retro-orbital, tail vein, jugular vein) and urine
- Langendorff apparatus; HPLC
- Cryosectioning and histopathology (cryostat - semi-automatic and manual), H&E; staining
- Fluorescence microscopy and confocal microscopy; experience with Leica microtome.

Biochemical / Molecular:

- Neuronal and inflammatory marker work (Akt, GSK-3B, PI3K, mTOR, STAT-3; TNF- α , NF- κ B, IL-1B, IL-17, IL-6, IL-10)
- Neurotransmitter quantification (glutamate, GABA, acetylcholine, dopamine, serotonin)
- ELISA and gel electrophoresis techniques
- Basic exposure to immunohistochemistry and Western blot
- UV spectrophotometer, centrifuge, homogenizer, pH meter
- Zebrafish breeding and larvae growth

Behavioral Models & Equipment:

- T-maze, open-field, novel object recognition, plus-maze, Y-maze, mirror chamber, learning and shoaling tests, light-dark chamber, three-chamber (zebrafish)
- Forced swim test, beam crossing task, tail flick, grip strength meter
- Marble burying behavior, Morris water maze, elevated plus maze
- Rodent haematoanalyzer; signal attenuation model

In Silico (Basic)

- Blender (3D designing) and AutoDock docking software (basic knowledge)

Conferences & Workshops

- Secured 1st position in poster presentation in ISFCON at ISF College of Pharmacy, Moga, Punjab.
- Participation: Sensitization workshop on GLP for students and researchers.
- Participation: IBRO - 1st IBRO-ARPC Associate School on "Advances in Nanotherapeutics and Neurological Disorders" (ISF College of Pharmacy, Moga, Punjab).
- Participation: Poster presentation in ISFCON National conference (ISF College of Pharmacy).
- Participation: IBRO-supported meeting/workshop on Recent Progress in Brain Research and Drug Delivery (ISF College of Pharmacy, Moga, Punjab).
- Participation: International conference on "Indigenous Traditional Knowledge of Medicinal Plants of Nanda Devi Biosphere Reserve of Uttarakhand Himalayas" (Uttaranchal Institute of Pharmaceutical Sciences, Dehradun, UK).
- Hands-on training: "3D Bio-Printing Technology and Therapeutic Applications" (One-day National Workshop).
- Workshop: Histopathology and Immunohistochemistry techniques using microtome, cryostat & tissue processor (ISF College of Pharmacy, 2024).
- Participation: Youth Fest sports activities (ISF College of Pharmacy, 2023).
- Attended: "Targeting Diabetes and Newer Strategies for Insulin Drug Delivery" - 2nd National Conference of Pharmacy, LR Institute of Pharmacy, Solan (31 Mar & 1 Apr 2017).

Hobbies

Trekking/Traveling, Photography, Fitness/Sports