

HAMNA MARYAM

Doctor of Pharmacy (Pharm-D) • Akhtar Saeed College of Pharmaceutical Sciences
✓ Verified Pharm-D Candidate • 3rd Professional Passed (Merit Standing)

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TARGET DISCIPLINES: Pharmacovigilance & Drug Safety (ADRs) • Hospital Clinical Pharmacy • Pharmaceutical QA/QC Spectroscopy • Regulatory Affairs (ICH-GCP)

ACADEMIC PROFILE & CLINICAL OBJECTIVE

Dedicated and detail-oriented **Doctor of Pharmacy (Pharm-D) student** at Akhtar Saeed College of Pharmaceutical Sciences with proven academic standing and hands-on laboratory proficiencies in pharmacology, pharmaceutics, pharmaceutical analysis, and clinical pharmacy practice. Seeking to apply clinical rigor in **Pharmacovigilance, Hospital Clinical Pharmacy, Drug Safety Monitoring, and Pharmaceutical Quality Assurance** to champion evidence-based therapeutics and patient-centric healthcare.

EDUCATION & PROFESSIONAL DEGREE

Doctor of Pharmacy (Pharm-D) — 5-Year Professional Degree Program 2021 – 2026 (3rd Prof. Passed)
Institute: Akhtar Saeed College of Pharmaceutical Sciences, Lahore (Affiliated with UHS / Pharmacy Council of Pakistan)
Core Coursework: Clinical Pharmacotherapy, Pathophysiology, Biopharmaceutics & Pharmacokinetics, Pharmaceutical Analysis, Microbiology, Pharmacognosy, Hospital Pharmacy Administration, Forensic Pharmacy.

CLINICAL PHARMACY & HOSPITAL COMPETENCIES

- **Prescription & Posology Auditing:** Audited complex multi-drug inpatient regimens for drug-drug interactions (DDIs), contraindications, and organ-specific renal/hepatic dosage adjustments.
- **Bedside Patient Counselling:** Educated diabetic patients on subcutaneous insulin pen administration, site rotation protocols, and hypoglycemia recognition/self-management.
- **Pharmacovigilance & ADR Surveillance:** Applied WHO-UMC causality criteria and Naranjo Algorithm to systematically evaluate and document suspected Adverse Drug Reactions.
- **Antimicrobial Stewardship:** Evaluated rational antibiotic regimens against clinical treatment guidelines and local hospital antibiogram data to curb antimicrobial resistance.

LABORATORY ANALYTICAL & RESEARCH PROTOCOLS

- **UV-Vis Spectrophotometry:** Performed quantitative purity assay of Paracetamol API & formulations at $\lambda_{max} = 243.2 \text{ nm}$ ($R^2 = 0.9994$, Recovery 99.4% w/w within USP limits).
- **Volumetric Titration & Standardization:** Standardized 0.0202 M KMnO_4 solution against primary sodium oxalate with $\pm 0.02 \text{ mL}$ volumetric glassware calibration.
- **Separation Chromatography:** Resolved amino acids (Glycine Rf 0.42, Alanine Rf 0.51, Leucine Rf 0.68) and carbohydrate hydrolysates via paper chromatography.
- **Diagnostic Microbiology:** Conducted 4-step Gram staining (1000x oil immersion) and hanging drop motility assays for differential bacterial identification.
- **Phytochemical Screening & Extraction:** Carried out Soxhlet solvent extraction and qualitative chemical spot tests for active anthraquinone and cardiac glycosides.

STANDARDS, DATABASES & TECHNICAL COMPETENCIES

Compendia & Standards:	United States Pharmacopeia (USP), British Pharmacopoeia (BP), WHO Pharmacovigilance (UMC), ICH Good Clinical Practice (GCP).
Drug Info & Databases:	British National Formulary (BNF), Micromedex, Medscape Reference, PubMed / NCBI Literature Retrieval.
Clinical & Lab Skills:	Prescription Auditing, Posology Calculation, Patient Counselling, UV-Vis Spectrophotometry, Redox Titration, Aseptic Microbiology.
Software & Digital:	Microsoft Office Suite (Word, Excel, PowerPoint), Canva Medical Presentations, Scientific Report Writing.