Curriculum Vitae

I hold an MSc in Analytical Toxicology from the University of Jordan, where I completed a master's thesis entitled “Adulteration of Urine Drug Testing: A Pilot Study at Jordan University Hospital,” focusing on forensic toxicology, analytical validation in drug testing procedures. I earned my BSc in Medical Laboratory Sciences from An-Najah National University, where my graduation project investigated the effects of Cercis siliquastrum on breast cancer cell cycle perturbation, highlighting its antimicrobial and antioxidant properties. I have gained experience across academic, clinical, and forensic settings. I served as an Academic Instructor at An-Najah National University, contributing to undergraduate education in laboratory sciences while supervising practical training and laboratory-based learning. In parallel, I worked as a Toxicologist at the Palestinian Ministry of Justice, where I was involved in forensic toxicology analysis. More recently, I expanded my research experience as a Visiting Junior Researcher at INRS in Canada, strengthening my exposure to international research environments and advanced laboratory methodologies Laboratory Experience. I possess hands-on laboratory experience acquired through academic research, professional practice, and international research training. My expertise includes Postmortem sample handling, Clinical bacteriology diagnostics, Antimicrobial assay (E test, MIC, MBC), Serological tests, Antioxidant assay (DPPH), Cell culture (MCF-7 & THP1), Hematological analysis (CBC, blood film and Hemostasis analysis), chromatography analysis (HPLC, affinity, LC and GC) and Molecular techniques: Protein purification, Western blot

Laboratory experience

Postmortem sample handling
Clinical bacteriology diagnostics
Antimicrobial assay (E test, MIC, MBC)
Serological tests
Antioxidant assay (DPPH)
Cell culture (MCF-7 & THP1)
Hematological analysis (CBC, blood film and Hemostasis analysis)
chromatography analysis (HPLC, affinity, LC and GC)
Molecular techniques: Protein purification, Western blot and PCR-based deletion mutagenesis