



Enas Al Qadi, MSc

TOXICOLOGIST/ANALYTICAL CHEMIST

Experience

January 13, 2025 – present:

Head of Laboratories Division • Nanotechnology Center • The University of Jordan, Amman.

January 27, 2015 – January 12, 2025:

Supervisor of Pharmacology Lab • Teaching Assistant in Pharmacology division • Faculty of Medicine • The University of Jordan, Amman

A) Assistant in teaching the M.Sc students in Pharmacology program, that includes:

- Developing and validating new methods of pharmacologic analysis for M.Sc program in Pharmacology.
- Teaching the practical part of “Methods in Pharmacology Analysis” course for M.Sc student in the Pharmacology Program.
- Training students in the Pharmacology program analysis of drugs, the training includes:
 - Handling biological and pharmaceutical samples for clinical pharmacology analysis.
 - Analysis of different samples (e.g., blood, urine, drugs, water, etc) using different techniques (GC/NPD, HPLC/UV, spectrophotometer and spectrofluorometer).
 - Interpretation of analysis results and report writing.

B) Research work in chromatographic and spectroscopic techniques.

- Working in many projects, some of them are published.

March 4, 2009 - January 26, 2015:

Supervisor of Toxicology Lab • Teaching Assistant in Forensic Medicine and Toxicology division • Faculty of Medicine, the University of Jordan, Amman.

Assistant in teaching the M.Sc students in Analytical Toxicology program, that includes:

- A) Assistant in all the teaching duties in the following courses: (1) Analytical Toxicology; (2) Analysis of Chemical Toxin; (3) Environmental and Natural Toxins; (4) Interpretation and Methods in Toxicology; (5) Practice in Toxicology Laboratory.**
- B) Developing and validating new methods of Analytical Toxicology, Analysis of Chemical Toxin and Environmental Toxicology courses for M.Sc program in Analytical Toxicology.**
- C) Laboratory teaching courses (practical), that includes:**
- Handling the biological samples for forensic and environmental toxicology analysis.
 - Analyzing different samples (like, blood, urine, drugs, water ...) by using different techniques (LC/MSMS, GC/MS, GC/FID, GC/NPD, HPLC/DAD, spectrophotometer and AAS).
 - Interpreting the analysis result and report writing.

Contact:

The University of Jordan (Work).

Amman-Jordan.

AL Rabbiah (Home).

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Experience Highlights:

- Research.
- Teaching.
- HPLC.
- GC/FID.
- GC/MS.
- AAS.
- LCMSMS.
- Spectrophotometer.
- Spectrofluorometer.
- Sample preparation.
- Skills in Microsoft Excel, Word, Power Point.

July 1, 2010 to January 26, 2015:

A volunteer • Toxicology and Clinical Chromatography lab • Jordan University Hospital, Amman.

- My Duties include:
 - Developing toxicology tests such as alcohol, narcotics, lead, drugs of abuse and cholinesterase using different techniques like GC/FID, AAS, FPI and Spectrophotometer.
 - Developing some chromatographic tests for clinical purpose such as Vitamins A, E and D₂/D₃ by HPLC/DAD. In addition, Metanephrines and Normetanephrines test in urine and plasma by RIA.
 - Conducting some routine tests such as Neonatal Screening Test by LC/MSMS, Organic Acids in urine and Methyl Malonic Acid by GCMS.
 - Troubleshooting of the following instruments: LC/MSMS, GC/MS, GC/FID, GC/NPD, HPLC/DAD, AAS.

October 1, 2008 – January 30, 2009:

Lecturer (Part time) • Forensic Medicine and Toxicology division • Faculty of Medicine, the University of Jordan, Amman.

October 1, 2007 - June 15, 2008:

Teaching Assistant • Forensic Medicine and Toxicology division • Faculty of Medicine, the University of Jordan, Amman.

July 1, 2007- September 30, 2007:

Research assistant in Infection Child Nephrotic Syndrome Research • Faculty of Medicine, the University of Jordan, Amman.

Education:

Master of Analytical Toxicology (2008):

Forensic Medicine & Toxicology Division, Faculty of Medicine, University of Jordan, Amman-Jordan.

Bachelor of Chemistry (2004):

Division of Chemistry, Faculty of Science, Hashemite University, Zarqa- Jordan.

General Secondary School Certificate (2000):

Al-Ittihad Secondary School, Amman-Jordan.

Training and Conference:

- Attended the **Quality control in laboratories**. Held by The University of Jordan, Amman. October 27, 2024.
- Attended the Identify **requirement of the quality management system for testing and calibration laboratories** ISO/17025:2017. Held by Society of Chemical Research and Innovation. Online, Jan. 23,2024.
- Attended the **Chromatography Column Care 101, from setup to longevity**. Held by Agilent. Online, May. 22,2024.
- Attended **the importance of occupational safety and health at the personal and work level workshop**. Held by Institute of occupational safety and health. Amman, Jul. 27, 2023.

- Attended **the First Aid and Firefighting practical workshop**. Held by Jordan Civil Defense and The University of Jordan. Amman, Sep. 26, 2022.
- Organized **the 3rd International Conference of the School of Medicine, The 8th International Conference for the scientific Society of the Arab Faculties of Medicine**, Arab Simulation Conference in Medical Education. Held by the University of Jordan. Amman, October 2016.
- Attended the **Vitamin D and Other Micronutrients in Maternal and Child Health Conference**. Held by Jordan Medical Council. Amman, March 2014.
- Attended the training course about: **Handling, preparation and analysis of different sample matrices related to chemical weapons by GC and GC-MS**. Held by OPCW. Aqaba, November 2013.
- Attended the training course entitled: **Metrology in Chemistry - Implementing the technical requirements of ISO 17025**. Held by European Commission. Amman, September 2013.
- Attended the training course entitled: **The radiation protection training course/level 1**. Held by Jordan Nuclear Regulatory Commission (JNRC). Amman, August 2011.
- Attended the **Mass Spectrometer Training Course**. Held by JAPM. Amman, April 2011.
- Attended **the 4th international conference of the Jordanian Society of Pathology and Laboratory Medicine**. Held by the Jordanian Medical Council. Amman, April 2011.

Publication:

- Islam Adel, Qais Jarrar, Rami Ayoub, Jamal Jilani, Said Moshawih, **Enas Al-Qadi**, Malek Zihlif. The toxicity and therapeutic efficacy of mefenamic acid and its hydroxyethyl ester in mice: In vivo comparative study: A promising drug derivative. Jordan Journal of Pharmaceutical Science. 2022,15 (4).
- Walhan Alshaer, Manar Zraikat, Amer Amer, Hamdi Nsairat, Zainab Lafi, Dana Alqudah, **Enas Al-Qadi**, Tasneem Alsheleh, Fadwa Odeh, Arwa Alkaraki, Malek Zihlif, Yasser Bustanji, Elias Fattal, Abdalla Awidi. Encapsulation of echinomycin in cyclodextrin inclusion complexes into liposomes: in vitro anti-proliferative and anti-invasive activity in glioblastoma. European Journal of Pharmaceutical Science. 2019. 9:30976–30988.
- KF Akel, JH Albaramki, I Hazza, R Haddidi, SH Saleh, R Haddad, S Ajarmeh, RS Al Assaf, **E Al-Qadi**. Aetiology of pediatric end-stage renal failure in Jordan: A multicenter study. West Indian Medical Journal. 2015.
- **Enas Al Qadi**, Abdelkader Battah. and Kamal Hadidi. Development of High Performance Liquid Chromatographic Method for Vitamin D₃ Analysis in pharmaceutical Preparation. Jordan Journal of Pharmaceutical Science. 2010, 3 (2): 78-86.

References:

- Available upon request.