

## **CURRICULUM VITAE**

**Kamal Abdel-Hamid Alhadidi, PhD**  
Professor of Toxicology  
School of Medicine -The University of Jordan  
Amman11942-Jordan

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## **PERSONAL INFORMATION**

**Place of Birth** Amman – Jordan  
**Nationality** Jordanian  
**Work** Department of Pathology, Microbiology and Forensic Medicine,  
School of Medicine-The University of Jordan

## **ACADEMIC & PROFESSIONAL APPOINTMENTS**

### **Dean-September 2022- Present**

School of Rehabilitation Science, the University of Jordan.

### **Member-Jordan University council 2022- present**

### **Member- The University of Jordan Council- 2023-2024**

### **Chairman- September2017- September2022**

Department of Laboratory medicine and forensic medicine, Jordan university hospital, the University of Jordan.

### **Dean-September 2015- August2017**

School of Graduate studies, the University of Jordan.

### **Vice-Dean-September 2012-August2014**

Deanship of Academic Research, the University of Jordan.

### **Vice-Dean 2010**

For Research and Development, School of Medicine, the University of Jordan.

### **Chairman 2007-2011**

Department of Pathology, Microbiology and Forensic Medicine - School of Medicine, the University of Jordan.

### **Professor-January2005**

School of Medicine, the University of Jordan

### **Associate Professor -November 1999**

School of Medicine, the University of Jordan

### **Assistant Professor - January 1992**

Toxicology (Clinical and Forensic) Forensic Medicine and Toxicology Section, School of Medicine, the University of Jordan, Amman-Jordan.

## **QUALIFICATION AND TRAINING**

### **PhD-1991**

Toxicology – Department of Forensic Medicine and Science, School of Medicine, The University of Glasgow, Scotland–United Kingdom.

### **Postgraduate training-1987-1988**

Diploma in Forensic Medicine and Postgraduate Training in Drugs and Poisons Analysis for Clinical and Forensic, Department of Forensic Medicine and Science, School of Medicine, the University of Glasgow, Scotland–United Kingdom.

### **BSc-1981**

B.Sc. in Chemistry, University of Basra, Iraq.

## **PERSONAL ACHIEVEMENTS**

- ❖ Founder "**Master Program in Analytical Toxicology**" School of Medicine-The University of Jordan **1996**.
- ❖ Founder "**Toxicology laboratory**" at: Jordan University Hospital -The University of Jordan **1997**.
- ❖ Founder "**National Drug & Poison Information Center** "at: Jordan University Hospital -The University of Jordan **2004**.
- ❖ Founder" **Jordan Anti-Doping Organization**" at Jordan Olympic Committee **2007**.
- ❖ Founder" **West Asia region Anti-Doping Organization**" 2008.

## **AREAS OF SPECIALITY**

Forensic and clinical toxicology of Drugs and poisons; Clinical Drug Monitoring; HPLC, GC-MS and LC-MS chromatographic Method development in clinical laboratory (Organic acids and amino acids analysis for newborn); Poison information specialist; Doping in sport.

## **TEACHING ACTIVITIES**

- ❖ Toxicology for Medical student: Forensic medicine and toxicology course.
- ❖ Toxicology course for Pharmacy student.
- ❖ Toxicology course for Medical Technology student.
- ❖ Toxicology course for Paramedic (Prince Hussein Academy for Civil Protection).
- ❖ Toxicology for Law student in Forensic Medicine and Science course.

- ❖ Postgraduate courses in Analytical Toxicology M. Sc.: Forensic Toxicology, Methods Development in Toxicology, Interpretation in Toxicology and Analytical Toxicology.
- ❖ Toxicology seminars for residents in: Forensic medicine, family medicine, and emergency medicine.

## **COMMITTEES**

### **Member-Covid-19 Pandemic Taskforce**

Jordan University Hospital, March 2020

### **Member- Board of Trustee**

Al al-Bayt University, June 2018- 2021

### **Vaccines and Antidotes Committee**

Jordan Food and Drug Administration, Oct 2018

### **Member- Board of Trustee**

Aqaba University of Technology, 2015-May2018

### **Chairman and Member- Scientific Research**

For several terms including September2014-2018

### **Member-Medical students' level determination**

September2007-september2011

### **Chairman and Member- Laboratories and Instrumentation Committee**

For several terms since 1992

### **Representative-The school of medicine at the University Jordan Council 2007**

**Member-Examination;** board of Forensic medicine at Jordan Medical Council- several terms since 1996

**Member-Medicinal Herbs and Natural Products Committee,** Jordan Food and Drug Administration2003-2007

**Member-Jordan Sport Medicine Federation-Several terms**

**Member-Jordan National drug Formula**

**Reviewer-For several journals in the field of toxicology 1992-present time**

## **BOOKS**

Translation a book (Doping Nemesis)-2014

## **RESEARCH AWARDS AND FUNDING**

- ❖ Ethics and Integrity in Anti-Doping for University Students-2013- **UNESCO**
- ❖ Educating New National Federations About Anti-Doping and Their Roles and Responsibilities as Partners of JADO in Fighting Doping in Sport -2013- **UNESCO**
- ❖ Spreading awareness in the fight against doping in Jordan through teachers and students -2011- **UNESCO**
- ❖ Organization for the prohibition of Chemical Weapon-Research Award 2004(**Netherlands**)
- ❖ The Forensic Science Society Research Award –1995 (**UK**)
- ❖ The Royal Society, JWT Jones Traveling Fellowship 1994 (**UK**)
- ❖ Third World Academy of Science Award-1993 (**Italy**)
- ❖ Visiting Researcher at Harbor View Medical center-Washington state 1990. (**U.S.A**)

## **PUBLICATIONS**

1. **Kamal Hadidi**, Nathir Obeidat, Abdelkader Battah, Suhad khasawneh, Mazen Malkawi, Khairat Battah, Akram Alhadidi, Basel Massad, Balqees Bani Hamad, Aya Masadeh, Hanna Matarweh. Poison Centers in the Eastern Mediterranean Region: History, Scope of Services, and Strengths and Weaknesses as Public Healthcare Providers. **Jordan Medical Journal 2024; 58(2) :1-12.**
2. Enas M. ALzayadneh, **Kamal A. ALHadidi**, Ihab Alasasfeh, Abdelkader Battah, Suhad M. Khasawneh, Madeha N. Faouri, Robina W. Diab, Yaqin M. Alzagareet, Noourlhuda H. Abbas, Renad H. Al-Debei, Ayah M. Zaqqa, Farah K. Hadidi, Layan M. Khraisat. General pattern of paediatric poisoning in Jordan during 2018–2019. **Toxicology Reports 2024; 12: 369-374.**
3. **Member of Expert (Taskforce) : UNESCO** Guidelines on Traditional Pharmacopoeia in The Context of Sport Values, Ethics and Integrity. **May 2023.**
4. **Member** of Expert reviewers of **WHO** book tittle: Guideline for Establishing A Poison Control Centre - **World Health Organization - published 2020.**
5. Mutasim AL-Ghazawi, NourEluda Daoud, **Kamal A. Hadidi** Muhammed ALZweiri, Salahdein Aburuz. Determination of Vancomycin Content in Dried Blood Spots for Therapeutic Drug Monitoring. **Acta Poloniae Pharmaceutica-Drug Research 2021; 78(1):1-8.**
6. Mohamed K. Al-Essa, Ebaa Alzayadneh, **Kamal Al-Hadidi**. Assessment of Proteolysis by Pyrylum and Other Fluorogenic Reagents. **Protein & Peptide Letters 2021;28: 809-816.**

7. Mohamed K. Al-Essa, Susanne Melzer, Attila Tarnok, **Kamal A. Hadidi**, Mohammed El-Khateeb. Fast RBC loading by fluorescent antibodies and nuclei staining dye and their potential bioanalytical applications. **Zeitschrift für Naturforschung** 2018 ;73(3-4):95-105.
8. M Al-Khateeb, A Awidi, **K Al-Hadidi**, A Battah - Asian Pacific Journal of Cancer Prevention. Low Incidence of the DPD IVS14+ 1G> A Polymorphism in Jordanian Breast and Colorectal Cancer patients. **Asian Pacific Journal of Cancer Prevention** 2017;18 (60):1651-1654.
9. Abdallah Faisal Khasawneha\*, **Kamal Al-Hadidi**, Talal Ahmad Aburjaib & Fatimah Noory Obeidate. Acute and subacute (20-d) oral dose toxicity study of modified fluoroquinolone compound 6C in BALB/c mice. **Toxin Reviews** 2015; 34(3):129-135.
10. Samar Jamal Melhem, Khaled Mohammad Aiedeh, **Kamal Al-Hadidi**. Effects of a 10-day course of a high dose calciferol versus a single mega dose of ergocalciferol in correcting vitamin D deficiency. **Annals of Saudi Medicine** 2015; 35(1): 13-18.
11. Emad M. Abdullat, Nathir M Obeidat Madi T Al-Jaghbir. Yusuf M Al-Hiari **Kamal Al-Hadidi** Establishing the Cholinesterase Levels in Jordan: an investigation and monitoring model for pesticides outbreak. **Jordan medical Journal** 2015;49(3):129-138.
12. Mayyada Wazaify, Ahmad Bdair, **Kamal Al-Hadidi** and Jenny Scott. Doping in Gymnasiums in Amman: The other side of Prescription and Nonprescription Drug Abuse. **Substance Use & Misuse**.2014; 49(10):1296–1302.
13. Shrouq Mahameed **and Kamal Hadidi**. Determine A Glycerol Cutoff Value Among Jordanian Athletes and The Effect of Use Hubbly Bubbly on Urinary Glycerol Threshold from Anti Doping Perspective. **SMU Medical Journal**.2014; 1(2):172-182.
14. Samar J. Melhem, Khaled M. A. Aiedeh, **Kamal A. Hadidi**, Feras Alali. The Determination of 25-OH-vitamin (D2/D3) in human serum by liquid chromatography tandem-mass spectrometry with comparison to IDS Enzyme immunoassay. **Jordan Journal of Pharmaceutical Sciences**.2013; 6(2):203-222.
15. A. H. Battah, M. S. Al-Hadidi, E. M. Abdullat, **K A. Hadidi**. Alcohol and Psychoactive Drugs in Road Traffic Fatalities within Northern District of Amman. **Jordan Medical Journal** 2013; 47(1):66-72.
16. Abdelkader Batah; **kamal Al-Hadidi** Talal Aburjai. Effects of Herbs Spices and Food stuff on Urine Screen for Drugs of Abuse by Immunoassay. **Jordan Journal of Pharmaceutical Sciences** 2012; 5(3):252-257.

17. Mohamed Al-Essa; Nareman Abu-Baker; Karem Al-Zoubi; Moh"D Borhan Al-Zghoul; Shereen Khalouf; Abdel-Rahman Al-Saleh; Bilal Al Omari; Reem Abu-Tayeh; Maha Shomaf; Abdelkader Batah; **kamal Al-Hadidi**; Zuhair Bani Ismail. Evaluation of subacute toxic effects of isotonic D-ribose solution administered intravenously to Fischer rats. **Jordan Journal of Pharmaceutical Sciences 2012; 5(2):111-117.**
18. Ghada Salameh, **Kamal A. Hadidi**. Mohammad EL-Khateeb. Genetic polymorphisms of the CYP3A4, CYP3A5, CYP3A7 and CYP1A2 among the Jordanian population. **Environmental Toxicology and Pharmacology 2012; 34(1):23-33.**
19. Z Bani Ismail, N Abu-Baker, K Al-Zoubi, M Zghoul, M K Al-Essa; S Khlouf; A Al-Saleh, B Al Omar, R Abu-Tayeh, M Shomaf, A Batah, **K Al Hadidi**. Evaluation of  $\alpha$ -d-ribofuranose (D-ribose) toxicity after intravenous administration to rabbits. **Human and Experimental Toxicology 2012; 31(8): 820–829.**
20. Nathir M.Obeidat, Reem F. Abutayeh, **Kamal A. Hadidi**. Poisoning in Jordan: analysis of three years data from Jordan National drug and poison information center Prospective. **Jordan Medical Journal 2010; 44(3):298-304.**
21. Enas Al-Qadi, Addelkader Battah, Kamal Hadidi. Development of high-PERFORMANCE liquid Chromatographic Method for Vitamin D3 Analysis in Pharmaceutical Preparation. **Jordan Journal of Pharmaceutical Sciences 2010; 3(2): 78-86.**
22. Imad M. Abdallat, Mu'men S. Hadidi, Nadia Rashid, **Kamal A. Hadidi**. Outbreak of methanol fatalities in Jordan. **Journal of Bahrain Medical society 2009; 21(3):283-286.**
23. Mu'men Hadidi, Mudhaffar I. Ibrahim, Imad Abdallat, **Hadidi KA**. Current Trends in Drug Abuse Associated Fatalities -Jordan 2000 – 2004. **Forensic Science International 2009; 186(1-3):44-47.**
24. Rula M. Darwish, T. Aburjai, S. Al-Khalil, **K. Hadidi**. The effect of COX1 and COX2 inhibitors on the Antibacterial Activity Selected Antibiotics against Standard Methicillin- Resistant Staphylococcus aureus. **Jordan Journal of Pharmaceutical Sciences 2009; 2(1): 76-85.**
25. Rana Afifi, Waleed A. Rahahleh, **Kamal A Hadidi**. Caffeine content in Turkish coffee: a question of concern in sport community. **Dirasat 2008; 35:730-738.**
26. I.M. Abdullat, A.H. Battah, **Hadidi KA**. The use of serial measurement of plasma cholinesterase in the management of acute poisoning with organophosphates and carbamates **Forensic Science International.2006; 162(1-3):126-30.**

27. Emad M. Abdullat, Mu'men S. Hadidi, Nazir Alhadidi, Thair Suleiman AL Nsour, **Hadidi KA**. Agricultural and horticultural pesticides fatal poisoning; The Jordanian experience 1999–2002". **Journal of Clinical Forensic Medicine: 2006; (13):304–307.**
28. **Hadidi KA**. Development of a screening method for the most commonly abused anticholinergic drugs in Jordan; trihexyphenidyl, procyclidine and biperiden. **Legal Medicine 2004; 6(4): 233–241**
29. **Hadidi KA**, Mohammed F. Nicotine Content in Tobacco Used In Hubble-Bubble Smoking. **Saudi Medical Journal 2004; 25(7):912-917.**
30. Ootom S, **Hadidi KA**, Yacoub Irshaid, Abdel-Kader Battah, Hakam F.Hadidi. The effect of famotidine and diclofenac on theophylline pharmacokinetics in the rabbit. **Asian Journal of Chemistry 2004; 16(3):1403-1409.**
31. **Hadidi KA**, Almassad JK, Al-Nsour T, Abu-Ragheib S. Determination of tramadol in hair using solid phase extraction and GC-MS. **Forensic Science International 2003; 134:129-136.**
32. **Hadidi KA**, Aburjai T, Battah AK. A comparative study of ferula hermonis root extracts and sildenafil on copulatory behavior of male rats. **Fitoterapia. 2003; 74(3):242-6.**
33. **Hadidi KA**, Battah AH. The role of a newly established toxicology laboratory in the management of acute poisoning in a teaching Hospital. **Dirasat(Medical and Biological Sciences) 2003; 30(1):13-29.**
34. Al-Nsour TS, **Hadidi KA**. Investigating the presence of a common drug of abuse (benzhexol) in hair; the Jordanian experience. **Journal of Clinical Forensic Medicine 2002; 9: 119-125.**
35. Shafaqj Y, Mohammed F, **Hadidi KA**. Hubble-Bubble (water pipe) smoking: levels of nicotine and cotinine in plasma, saliva and urine. **International Journal of Clinical Pharmacology and Therapeutics 2002; 40(6):249-255.**
36. **Hadidi KA**, Hijazi R. Patterns of adults poisoning in emergency room at Jordan university hospital. **Jordan Medical Journal 2002; 36(1):15-21.**
37. Binsumait IA, **Hadidi KA**, Abu-Alragheb S. Stability of fluoxetine in stored plasma, aqueous and methanolic solutions determined by HPLC with UV detection. **Pharmazie 2001; 56 (4): 311-313.**
38. Abu-Aragheb S, **Hadidi KA**. Fatal Poisoning with Alcohol and Drugs in Greater Amman County. **Forensic Science International 1999; 99(3): 205-215.**

39. Abdel Rahman H, **Hadidi KA**, Battah A. Reliability of clinical Decisions Regarding Alcohol Influence. **Journal of Clinical Forensic Medicine 1999(6): 141-144.**
40. **Hadidi KA**, Battah A, Hinnawi S. Alcohol in medicolegal cases seen at Jordan University Hospital. **Medicine Science and Law 1998; 38(1): 70-73.**
41. Battah A, **Hadidi KA**. Stability of Trihexyphenidyl in stored blood and urine specimens. **International Journal of Legal Medicine 1998; 111(3): 111-114.**
42. **Hadidi KA**, Battah A. Stability of seven drugs of forensic toxicology interest stored in aqueous solution. **Acta Technologiae et Legis Medicamenti 1998; 9(1):9-20.**
43. **Hadidi KA**, Oliver JS. Stability of morphine and buprenorphine in whole blood. **International Journal of Legal Medicine 1998; 111(3):165-167.**
44. **Hadidi KA**. Solid phase extraction of benzhexol from blood and urine. **Science & Justice 1997; 37(4):265-268.**
45. Battah A, **Hadidi KA**, Abu-Aragheb S. Body fluid levels of Fentanyl, Pethidine and Midazolam following self administration. **Dirasat 1997; 24(2): 214-218.**
46. **Hadidi KA**, Oliver JS. Stability of Temazepam in blood. **Science & Justice 1995; 35 (2):105-108.**
47. **Hadidi KA**, Oliver JS. Stability of some drugs of forensic interest in whole blood stored at different conditions. **Published at the proceeding of the 27<sup>th</sup> International Association of Forensic Toxicologists Meeting 19-23 October 1990, Perth- Australia.**

#### **SUPERVISOR, CO-SUPERVISOR, EXAMINER OF M.Sc & PhD STUDENTS**

1. **Supervisor**, Concentration of cadmium in blood samples taken from smokers, in relation to different brands of cigarettes. **MSc thesis in Analytical Toxicology 2021**
2. **Supervisor**, The prevalence of designer drugs among Jordanian drug addicts, and exploring psychiatrists' experience. **MSc thesis in Analytical Toxicology 2021**
3. **Supervisor**, investigating a potential toxicity of vitamin C , vitamin D and Zinc used during corona pandemic in central region of Jordan . **MSc thesis in Analytical Toxicology 2021**



4. **Supervisor**, Health risks resulting from common disinfectants use during the COVID-19 pandemic at Jordan university hospital. **MSc thesis in Analytical Toxicology 2021**
5. **Supervisor**. Adulteration of urine drug testing: A pilot study at Jordan university hospital. **MSc thesis in Analytical Toxicology 2021**
6. **Supervisor**. “Estimation of lead level in samples of infant formulae and cow’s milk” **MSc thesis in Analytical Toxicology 2021**
7. **Supervisor**. The Role of Toxicologist in Developing a Model for Hospitals' Emergency Department Preparedness for Radio-Nuclear Incidents in Jordan. **MSc thesis in Analytical Toxicology-2021**
8. **Supervisor** Investigating the presence of the notorious heavy metal arsenic in honey produced in Jordan a question of contamination and toxicity. **MSc thesis in Analytical Toxicology- starting 2019**
9. **Co- Supervisor**. The extent of anabolic steroids (doping) use in fitness and bodybuilding centers and the effect of suggested educational program for high school in educational institutions in Kuwait state. **PhD thesis in sport education- starting 2020**
10. **Supervisor**, "Determine the influence of Licorice on urinary cortisol level and the possibility to be used as a prohibited substance in sport". **MSc thesis in Analytical Toxicology 2015**
11. **Co-Supervisor**. Determination of alcohol level in selected beverages and its effect on alcohol breathe determination. **MSc thesis in Analytical Toxicology 2015**
12. **Supervisor**, "Determination of glycerol cut off value among Jordanian athletes and the effect of use hubbly bubbly on urinary glycerol threshold from anti-doping perspective". **MSc thesis in Analytical Toxicology 2014**
13. **Supervisor**, “Determination of median lethal dose (LD50), ED50 and therapeutic index and others for compounds acting on Helicobacter Pylori”. **MSc thesis in Analytical Toxicology 2013**
14. **Supervisor**, "Development of a quantitative method for the most commonly used anti-diabetic drugs in Jordan in blood samples using triple quadruple mass spectrometer coupled with liquid chromatography". **MSc thesis in Analytical Toxicology 2012**

15. **Supervisor**, "Toxicological effect of ester-carbonate copolymer on human dermal fibroblast and collagen production". **MSc thesis in Analytical Toxicology 2012**
16. **Co-Supervisor**, " The use of LC-MS/MS for the determination of vitamin D status of subjects with vitamin D deficiency at Jordan university hospital with comparison to IDS-ELA" **M.Sc in clinical pharmacy-the university of Jordan November 2011**
17. **Co-Supervisor**, "The effect of khat on some of physical and psychological variables and skill upon foot ball players in Yemen" Faculty of Physical Education, The University of Jordan. **Ph.D thesis in Physical Education May 2011.**
18. **Examiner**, "Screening of melamine in diary products" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology December-2010**
19. **Supervisor** "Determination of Propionic acid level in bread and dairy products and its possible role in vitamin B<sub>12</sub> deficiency" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology 2010**
20. **Co-Supervisor** "Aflatoxin B1 Interindividual Variation in Exposure and the Concomitant Polymorphism of certain CYP450's amongst the Jordanian Population" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology December-2010**
21. **Examiner**, "The effect of aluminum phosphide on GLUT2 GENE expression in liver cells in rats" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology.July-2009.**
22. **Examiner** "Prevalence of alcohol in autopsied medico-legal cases at the national institute of forensic medicine" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology. May-2009.**
23. **Examiner** "Analysis of pharmaceutical residues in waste water and their elimination by photo catalytic degradation" Faculty of Science, The University of Jordan. **PhD thesis in Chemistry May-2009.**
24. **Examiner** "Development and validation of a reversed-phase ESI-LC/MS/MS method for the determination of clomiphene isomers" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology December-2008.**

25. **Examiner** "Reproductive toxicity of residronate in pregnant rat" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology November-2008.**
26. **Co-Supervisor** "Development of high-performance liquid chromatography method for vitamin D3 analysis in pharmaceutical preparation" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology July-2008.**
27. **Co-Supervisor** "Trihalomethane concentration in the ground water compared with that in surface water supplies of Amman" Faculty of Science, The University of Jordan. **MSc thesis in water resources and environmental engineering May-2007.**
28. **Examiner** "Determination of some heavy metal in selected medicinal plants commonly used in Jordan" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology December-2006.**
29. **Co-Supervisor** "Status of anabolic steroids use in bodybuilding and fitness centers in Jordan and the effect of preventive educational program" Faculty of Physical Education, The University of Jordan. **PhD thesis in Physical Education August-2006.**
30. **Examiner** "Herbs; Sage, oregano, and parsley induced alteration of cytochrome P450 enzyme in rat's liver" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology March-2006.**
31. **Supervisor** "Establishing the cut-off value of caffeine doping among Jordainan athletes" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology August-2004.**
32. **Examiner** "Study of the effect of Brassica Oleracea"(Cabbage) on the pharmacokinetics of ciprofloxacin in an animal model" Faculty of Pharmacy, The University of Jordan. **MSc thesis in Pharmaceutical Sciences July-2004.**
33. **Co-Supervisor** "Correlation between possible toxicity of citalopram and the polymorphism of cytochrome P450 isoenzymes" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology December-2003.**

34. **Examiner** "Determination of Some Pesticide Residues in Selected Medicinal Plants Commonly Used in Jordan". Faculty of Pharmacy, the University of Jordan. **MSc thesis in Pharmaceutical Sciences January- 2003.**
35. **Examiner** "Captopril, enalapril, lisinopril screening for impurities in the raw materials of Captopril, enalapril, lisinopril" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology July-2003.**
36. **Examiner** "Effects of parsley (*Petroselinum sativum hoffm*) and Coriander (*Coriandrum sativum l*) extract on platelet aggregation and blood coagulation" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology January-2003.**
37. **Examiner** "Correlation between lead level at scalp hair and atmosphere" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology May-2002.**
38. **Examiner** "Profile of seized amphetamine in Jordan by GC-MS" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology August-2001.**
39. **Supervisor** " Investigating the presence of Atrane in hair: A common drug of abuse in Jordan ". Faculty of Medicine, the University of Jordan. **MSc thesis in Analytical Toxicology May-2001.**
40. **Examiner** "Determination of arsenic and cadmium levels in imported fish in Jordan" Faculty of Medicine, The University of Jordan. **MSc thesis in Analytical Toxicology May-2000.**
41. **Examiner** "Investigation of Chemical Constituents and Antimicrobial Activity in *Ferula harmonis* F. Root" Faculty of Pharmacy, The University of Jordan. **MSc thesis in Pharmaceutical Sciences May-2000.**
42. **Supervisor** "Stability of Lamotrigine and Fluoxetine in plasma" Faculty of Medicine, The University of Jordan, Amman, Jordan. **MSc thesis in Analytical Toxicology May-2000.**
43. **Examiner** "Comparative study of analysis of Salicylate in human plasma, serum and blood" Faculty of Medicine, The University of Jordan, Amman, Jordan. **MSc thesis in Analytical Toxicology July-2000.**
44. **Supervisor** "solid phase extraction and HPLC determination of Sulfonylureas in Biological Fluids." Faculty of Medicine, the University of Jordan. **MSc thesis in Analytical Toxicology November-1999.**

45. **Co-Supervisor** "Isolation and Characterization of 2,4-Dichlorophenoxyacetic Acid (Herbicide) Degradation Bacteria from the Jordanian Environment" Faculty of Science, The University of Jordan. **MSc thesis in biological Sciences June-1998.**

### **INTERNATIONAL EXPERT IN TOXICOLOGY & ANTI-DOPING**

1. **UNITED STATES ANTI-DOPING AGENCY(USADA).** Global USADA Science Symposium. USA-Seattle 27-30, September 2024.
2. Chairman- **ASIAN REGIONAL FINANCE COMMITTEE (ARFC)** meeting. Thailand-Bangkok 28-29 April 2024.
3. Global Education Conference- **WORLD ANTI-DOPING AGENCY (WADA).** Cannes-France, 27-29 February 2024.
4. **WORLD ANTI-DOPING AGENCY (WADA)-** Foundation Board Meeting.17-18 November 2023, Montreal – CANADA.
5. Member - **MEDICAL AND ANTI-DOPING COMMITTEE- OLYMPIC COUNCIL OF ASIA (OCA)-** Asian Games. 23 September-4 October 2023- Hangzhou-China.
6. Member- **MEDICAL AND ANTI-DOPING COMMITTEE- Arab Sport Federation-** Pan Arab Games. 7-15 July 2024- Algeria-Algeria.
7. **18th Asia/Oceania Region Intergovernmental Ministerial Meeting on Anti-Doping in Sport-** COLOMBO-SRI LANKA. 12-13 June 2023.
8. **Doping Result Management Trainer-** Baghdad- Iraq. 28-29 April 2023.
9. Chairman- **ASIAN REGIONAL FINANCE COMMITTEE (ARFC)** Task Force meeting. Thailand-Bangkok 15-16 February 2023.
10. Conducting a Training Course on **ANT-DOPING EDUCATION.** Beirut-Lebanon 28-29 October 2022
11. **WORLD ANTI-DOPING AGENCY (WADA)-** Foundation Board Meeting.18-19 May 2022, Cairo – CANADA.
12. **17th Asia/Oceania Region Intergovernmental Ministerial Meeting on Anti-Doping in Sport., UAE NATIONAL ANTI-DOPING AGENCY -** Dubai 14-15, March 2022.

13. **REGIONAL TASKFORCE- UNESCO.** Member of experts to develop a regional roadmap towards the 2026 Youth Olympic Games in the Arab region. The taskforce will consider the creation of a platform on traditional pharmacopoeia in the **context of sport ethics, integrity and values-2021.**
14. **MEMBER - OLYMPIC COUNCIL OF ASIA (OCA)-** Medical and Anti-doping committee-2019-present.
15. **WORLD ANTIDOPING AGENCY (WADA) - Heath Medical and Research Committee Member-** at this committee we grant 6 million US-Dollars each year for researches in the method development **2009-2016.**
16. **WORLD ANTIDOPING AGENCY (WADA) - Foundation Board Member** - 2006-2009-Montreal-CANADA
17. **WORLD ANTIDOPING AGENCY (WADA) - Foundation Board Member** - 2009-2011 -Montreal-CANADA
18. **WORLD ANTIDOPING AGENCY (WADA) – Education Committee** - 2017-2019-Montreal-CANADA
19. **President** – West Asia Anti-Doping Organization (**WARADO**) - Amman-Jordan **2007-Present Time**
20. **President** - Jordan Anti-Doping Organization (**JADO**) - Jordan Olympic Committee-2007-**Present Time**
21. **Conducting Doping test for National, Continental and International** Events hosted by National Sport Federations, Olympic Council of Asia, International Olympic Committee-2011- **Present Time.**
22. **WHO Regional workshop** - Capacity building in response to mass chemical accidents, Amman-Jordan,1-3 April 2014
23. **WHO-Consultant-Toxicological** data compilation for the Middle-East region; on snakes, scorpion, plants and House hold toxins **2015.**
24. **WHO-Training workshop** on strengthening poisons center services in Iraq under the patronage of The Centre for Environmental Health Action (CEHA) /WHO, Amman, Jordan May 2015.
25. **WHO-Workshop of** joint external evaluation of the core capacities- chemical events section- of the Hashemite Kingdom of Jordan in collaboration with WHO, Amman, Jordan, 28 August – 1 September 2016.

26. **WHO-National Workshop** on Bridging PVS and IHR and the Development & costing of National Action Plan for Health Security in collaboration with WHO held in Amman-Jordan 29 October-2 November, 2017.
27. **WHO workshop** to Enhance Health Sector Role in the Management of Chemicals Workshop held in Cairo, Egypt 17-19 December 2018.
28. **WHO-Expert Consultation** for Finalization of Regional Framework for Public Health Response to Chemical Events and for Establishing Regional Network of Poison Centers for International Health Regulations (IHR) Implementation in collaboration with WHO/CEHA office, Amman-Jordan 16-18 February 2019.
29. **WHO-Training of Trainers Workshop** on Chemical Exposure and Trauma Care in collaboration with WHO/CEHA office, Amman-Jordan, 25-27 August 2019.
30. **WHO-Multi-Sectoral Technical Workshop** on “Event Based Surveillance” WHO / CEHA office, Amman- Jordan,1-2 October 2019.

#### **PAST & PRESENT SOCIETIES AFFILIATION**

- ❖ Member of Medical and Anti-doping Committee-OCA
- ❖ The International Association of Forensic Sciences
- ❖ The International Association of Forensic Toxicologists (T.I.A.F.T).
- ❖ Jordanian Swedish Medical Association.
- ❖ H. member/Jordanian Society of Forensic Sciences/ Jordan Medical Council.
- ❖ The Royal Society (MRSC, Chartered)
- ❖ Jordan Sport Medicine Federation.