

CURRICULUM VITÆ

Personal

Name : **Abdelkader Hamdi Battah**
Date of Birth : 13/2/1957
Place of Birth : Zarka - Jordan
Gender : Male
Marital Status : Married, have two sons and three daughters
Nationality : Jordanian

Work Address

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Current Position

Professor of Toxicology,
Chairman of Pathology, Microbiology, and Forensic Medicine Department, Faculty of
Medicine, the University of Jordan, Amman, Jordan

EDUCATION

- 1984 to 1989:** Postgraduate Fellow, Department of Forensic Medicine and Science,
the University of Glasgow, Glasgow, UK
1976 to 1982: Medical student, Faculty of Medicine, the University of Jordan,
Amman, Jordan.
1973 to 1976: High School, scored in Tawjehe, an Average of 94.8 %, Zerka, Jordan.

Graduate QUALIFICATIONS

- **JMC (Toxicology)** February 1996: The qualifying examination of the Jordanian Medical Council.
- **Ph.D. (Forensic Toxicology)**: Department of Forensic Medicine and Science, the University of Glasgow, U.K, 1989.
- **M. Sc. (Forensic Toxicology)**: Department of Forensic Medicine and Science, Faculty of Medicine, the University of Glasgow, U.K, 1986.
- **MB, BS**: Faculty of Medicine, the University of Jordan Jordan, 1982.

POST HELD

- **December 2012 to date:** Professor of Toxicology
- **September 2011 to date:** Chairman of Pathology, Microbiology, and Forensic Medicine Department.

- **Vice Dean** for Research, Development and Faculty Affairs, Faculty of Medicine, the University of Jordan, **1st of November, 2010** to 18th. of September, 2011
- **Acting Dean** of Faculty of Medicine, the University of Jordan, **22nd of August, 2009 to 28th. of October, 2010.**
- **Acting Dean** of Faculty of Medicine, the University of Jordan, 20th. of July to 14th. September 2007
- **Vice Dean** for Faculty Affairs, Faculty of Medicine, the University of Jordan, 2007 to 2009.
- **Secretary General** for the Scientific Society of the Arab Facilities of Medicine, **22nd of August 2009 to 30 of October 2010**
- Head of Quality office, Faculty of Medicine, the University of Jordan, 2007-2008
- Dean Assistant for students Affairs, Faculty of Medicine, the University of Jordan, 2006 to 2007
- Academic staff member at Faculty of Medicine, The University of Jordan, Amman, Jordan.
- January 1999 to 2012: Associate Professor of Toxicology.
- August 1989 to 1998: Assistant Professor of Toxicology.
- 2003 to 2008: Consultant toxicologist for the Forensic Medicine and Sciences Department, Jordan University of Science and Technology, Irbid, Jordan.
- 2000 to 2006: Part time lecturer in Toxicology at Al-Isra Private University.
- 1996 to date: Consultant toxicologist for the National Institute of Forensic Medicine, Ministry of Health, Amman, Jordan.
- July 1983 to September 1984: Lecturer at the department of Pathology, Microbiology and Forensic medicine, Faculty of Medicine, The University of Jordan.
- February 1984: I was granted a scholarship for postgraduate studies in Forensic Toxicology in UK
- July 1986 to September 1986: Research fellow in the Department of Forensic Medicine and Sciences, University of Glasgow UK
- October 1986 to July 1989: A full - time Ph.D. student in the department of Forensic Medicine and Science, University of Glasgow, UK
- July 1982 to June 1983: A rotating internship at Jordan University Hospital, Jordan.

Experience:

Teaching Activities:

- Toxicology for Medical student: Forensic medicine and toxicology course
- Toxicology course for Pharmacy student
- Toxicology course for Medical Technology student
- Toxicology for Law student in Forensic Medicine and Science course
- Lectures in poisoning and management in First aid course for pharmacy students
- Lectures in occupational toxicology in General health and environment course for pharmacy students
- Lectures in drugs abused in sport Physiology course for sports students.
- Postgraduate courses in Toxicology for graduate students and residents during the M. Sc. and higher specialty programs in Forensic Medicine.
- Designed the program and the courses for the degree of M. Sc. in Analytical Toxicology Courses for M. Sc. program in Analytical Toxicology: General Toxicology, Chemical Toxins, Analytical Toxicology, Seminars, Forensic Toxicology, Methods Development in Toxicology, and Interpretation in Toxicology.

- Participate in seminars held for graduate activities for forensic medicine, pathology, microbiology and family medicine residency programs.
- Internal and External Examiner for several thesis's for MSc, PhD degrees
- Supervised several research projects for MSc students

Awards

- DFC awards from TIAFT, **FBI Laboratory** Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists (SOFT) and The International Association of Forensic Toxicologists (TIAFT). Washington DC, 28th of Aug. to 3rd of Sep 2004.
- Research visit grant by the Department of Forensic Medicine and Science, Faculty of Medicine, the University of Glasgow, U.K. 1994.
- Sponsorship study for M.Sc and PhD degrees from the University of Jordan, 1984 to 1989

Committee memberships:

Within the Faculty of Medicine

- 2016 to 2016: Head of the Education Committee for the purpose ACCM accreditation of the faculty
- 2014 to date: Head of the examination and curriculum committee of the faculty of medicine.
- 2011 to date: Member of the faculty of Medicine Council committee.
- 2011 to 2014: Member of a committee to apply PBL in the faculty of medicine
- 2011 to 2014: Member of the conference committee of the faculty
- 2009 to 2011: Member of the Continuing Innovation committee of the Faculty
- 2009 to 2010: Head of the executive accreditation committee of the faculty.
- 2008 to 2009: Member of the executive accreditation committee of the faculty.
- 2008 to 2011: Head of the Educational tract committee that reports to the executive accreditation committee of the faculty
- 2008 to 2009: Member of Organizing and Scientific Committee of the second conference of the Faculty of Medicine and the fifth Medical conferences of Jordanian Medical Schools
- 2007 to 2010: Head of the examination and curriculum committee of the faculty of medicine.
- 2007 to 2011: Member of Faculty of graduate studies Council Committee, Faculty of graduate studies.
- 2007 to 2010: Head of Conferences committee.
- 2007 to 2010: Member of Medical students' level determination committee.
- 2007 to 2011: Member of Faculty of Medicine Society and Graduate Affair Committee.
- 2007 to 2011: Head of graduate studies Committee.
- 2006 to 2007: Head of Society and Graduate Affair Committee.
- 2006 to 2007: Head of Medical students' level determination committee.
- 2006 to 2007: Head of Faculty of Medicine Investigation committee.
- 2006 to 2007: Member of Faculty of Medicine Laboratories and Instrumentation Committee.
- 2006 to 2009: Member and Secretary of the Faculty of Medicine Council Committee.
- 2006 to 2007: Member of Organizing and Scientific Committee of the third Medical conferences of Jordanian Medical Schools
- 2005 to 2006: Member of Organizing and Scientific Committee of the second Medical conferences of Jordanian Medical Schools
- 2005 to 2006: Head of Specification Committee of the faculty of Medicine
- 2005 to 2006: Representative of the Faculty of medicine in the central tender committee.
- 2004 to 2006: Member Faculty, Society and Graduate affair Committee
- 2004 to 2006: Member of the Quality Assurance Committee.
- 2001 to 2003: Member of Society and Graduate affair Committee

1998 to 2001: Member of the library committee.
1997 to 1998: Member of the university and society committee.
1997 to 1998: Member of the preparation committee for the meeting of Deans of Faculties of Medicine of Arab Countries.
1995 to 1997: Member of the examination and curriculum committee of the faculty of medicine.
1994 to 1995: Member of the Faculty of Medicine Council Committee
1991 to 1996: Head of Forensic Medicine and Toxicology Division.
1991 to 1992: Member of the Faculty of Medicine Council Committee.
1992 to 1996: Head of Toxicology Uni.
1990 to 1993: Head of Laboratories and Instrumentation Committee.
1990 to 1991: Member of a consultation committee to give advice on warfare chemical exposures.

❖ **Within the University of Jordan**

2015 to 2016: Member of the University Council
2009 to 2010: Member of Board of Trustee of the Stem cell Centre.
2008 to 2010: Member of a committee to establish a private University Hospital within the University of Jordan.
2008 to 2011: Member of the Board of the Centre of Educational Development.
2007 to 2010: Member of the University Deans Senate.
2007 to 2010: Member of Jordan University Hospital Council.
2007 to 2010: Member of the University Council.
2007 to 2010: Member of Dirasat (Scientific Section) Editorial Board Committee, Faculty of Graduate Studies.
2007 to 2011: Member of Administrative committee of Medical Insurance Funds.
2007 to 2008: Member of chemicals and radioactive waste committee
2004 to date: Member of National drug and poison information Committee, Jordan University Hospital.
1992 to date: Participated in several task committees: Tender studies, review the protective value of milk intake by university workers, evaluate establishing a technology tower in the university, study some procedure to provide incentives to the university employee, and others.
1990 to 1992: General safety committee
1993 to 1996: Member of Drugs committee, Jordan University Hospital
1995 to 1996: Representative of the faculty of medicine at the University of Jordan committee on disposal of chemicals and radioactive waste

❖ **Outside the University of Jordan**

2016: Member of a committee in The Ministry of Culture to select a prize winner for Alternative Medicine for the year 2016.
2016 to 2017: Member of Medical and pharmaceutical section committee at Scientific Research Support Fund, Ministry of Higher Education
2017 to date: Head of Medical and pharmaceutical section committee at Scientific Research Support Fund, Ministry of Higher Education
2016 to 2017: Member of Scientific Committee at Scientific Research Support Fund, Ministry of Higher Education
2008 to date: Head or Member of committees to accredit faculties of medicine or community colleges. Appointed by Higher Education Accreditation commission

- 2009 to 2010: Head of the Executive committee of the Scientific Society of the Arab Faculties of Medicine
- 2008 to 2011: Member of a committee to construct the courses that will be taught to Bachelor Degree in Paramedics at Prince Hussein Academy for Civil Protection.
- 2009 to 2010: Member of the higher Council of Prince Hussein Academy for Civil Protection.
- 2008 to 2011: Member of Academy Council, Prince Hussein Academy for Civil Protection.
- 2008 to 2011: Representative of the University of Jordan as member of the National Committee to avoid the harm of Smoking.
- 2007 to 2010: Member of the trustee board of National center for Diabetes, Endocrine Glands, and Genetic Diseases, Amman, Jordan.
- 2007 to date: Member of the Editorial board of: Internet Journal of Medical Update
- 2005 to 2006: Member of Organizing and Scientific Committee First Jordanian conference for forensic medicine and sciences and The Second Islamic Countries Forensic Medicine Congress and the second Arab association of Forensic Medicine Physicians, Amman Jordan, held on 5 - 8 September, 2006.
- 2004 to 2012: Member of Medicinal Herbs and Natural Products Committee, Jordan Food and Drug Administration.
- 2000 to 2002: Member of the administrative board of the Jordanian Society of Forensic Sciences, Medical Association.
- 1999 to 2001: Member of the Medical and Drugs in Sport committee at Jordanian Sport Medical Federation.
- 1996 to 2010: Member of the Specialized Scientific Committee of Forensic Medicine at Jordan Medical Council.
- 1996 to date: Member of the examination board of Forensic medicine at Jordan Medical Council.
- 1994 to date: Reviewer for publications in the field of toxicology for several journals.

Research and Services Activities

- Interferences of some Jordanian herbal drinks with urinalysis of drugs of abuse using TDX: Research was published in 2012, supported by grant from Deanship of Academic Research.
- Alcohol and Psychoactive Drugs in Road Traffic Fatalities within Northern District of Amman, supported by grant from Deanship of Academic Research, published
- Social and medico-legal importance of postmortem ethanol level: Research in process supported by grant from Deanship of Academic Research
- Association of Apolipoprotein E polymorphism to clinically diagnosed Alzheimer's disease in the Jordanian population. Research in process supported by grant from Deanship of Academic Research
- Participated in establishing National Drug and Poison information center Jordan University Hospital.
- Researches in Forensic Toxicology and drug interactions.
- 1989 to 1996: head of Toxicology laboratory, Faculty of Medicine, The University of Jordan.
- 1992-1993: member of a committee to study the effect of pesticides residue in human, Higher Council of Science and Technology, Jordan.
- 1991-1992: member of a committee to study the toxic effects of local industry and toxins released to food chain, Dean-ship of Researches, The University of Jordan.
- 1994-1995: member of a committee to evaluate and develop the pharmaceutical Monitoring and Quality control Laboratory in the Ministry of Health.

PUBLICATIONS

1. Thesis

- **Battah, A.** The analysis of drugs of forensic toxicology by combined GC- and LC-MS, Thesis submitted to the University of Glasgow for the degree of Doctor of Philosophy, 1989.
- **Battah, A.** Analysis of barbiturate and drugs from postmortem blood by HPLC and GC, Thesis submitted to the University of Glasgow for the degree of Master of Science, 1986.

2. Scientific Journal

- Al-Khateeb M, Awidi A, Al-Hadidi K, Battah A. Low Incidence of the DPD IVS14+1G>A Polymorphism in Jordanian Breast and Colorectal Cancer patients. *Asian Pac J Cancer Prev.* 2017 Jun 25; 18(6):1651-1654
- M. Almansour; Q. Jarrar; **A. Battah**; F. Obeidat; K. Battah; B. Jarrar. Renal histopathological alterations induced by nanosilver toxicity: the size effect. 2016, *Micro & Nano Letters*, 11(9):1-4
- B. Qaqisha, O. Al-Dalahmahb, Y. Al-Motassemc, **A. Battah**, S. Ismail. Occupational exposure to pesticides and occurrence of the chromosomal translocation t(14;18) among farmers in Jordan. *Toxicology Reports*; 3 (2016): 225–229
- M. M. Hudaib, K. A. Tawaha, H. S. Hudaib, **A. H. Battah**. Chemical Composition of Volatile Oil from the Aerial Parts of *Rosmarinus officinalis* L. Grown in Jordan. *JEOBP.* 2015; 18(5): 1282-1286
- Almansour, M; Jarrar, Q; Battah, A and Jarrar, B. Morphometric Alterations Induced by the Toxicity of Variable Sizes of Silver Nanoparticles. *Int. J. Morphol.* 2015, 33 (2), 544-552.
- Q. Jarrar, **A. Battah**, F. Obeidat and K. Battah. Biochemical Changes Induced by the Toxicity of Variable Sizes of Silver Nanoparticles. *British Journal of Pharmaceutical Research.* 2014, 4 (24):16-31
- **A. Battah**, K. Hadidi, T. AbuRajai. Effects of Herbs, Spices and Foodstuff on urine Screen for Drugs of Abuse by Immunoassay. *Jordan Journal of Pharmaceutical Sciences.* 2012, 5(1): 252-258
- **A. Battah**, M. Al-Hadidi, E. Abdullat and K. Hadidi. Alcohol and Psychoactive Drugs in Road Traffic Fatalities within Northern District of Amman. *Jordan Medical Journal*, 2013, 47(1): 66-72
- M.K. Al-Essa, N. Abu B. Alzoubi, M. Al-Zhgoul, S. Khlof, A. Al-Saleh, B. Al-Omary, R. Abu-Tayeh, M. Shomaf, **A. Battah**, K. Al-Hadidi and Z. Bani Ismail. Evaluation of subacute toxic effects of isotonic D-ribose solution administered intravenously to Fisher rats. *Jordan Journal of Pharmaceutical Sciences.* 2012, 5(1):111-119
- Z Bani Ismail, N Abu-Baker, K Alzoubi, M Al-Zghoul, M K Al-Essa, S Khlof, A Al-Saleh, B Al-Omari, R Abu-Tayeh, M Shomaf, **A Battah**, and K Al-Hadidi. Evaluation of α -d-ribofuranose (d-ribose) toxicity after intravenous administration to rabbits. *The Human and Experimental Toxicology.* 2012;(Jan.): 1-10
- E. Al-Qadi, K. Hadidi and **A. Battah**. Development of High Performance Liquid Chromatographic Method for Vitamin D3 Analysis in Pharmaceutical Preparation. *Jordan Journal of Pharmaceutical Sciences.* 2010, 3(2):78-86
- **A. Battah**, M. Al-Farras, O. Yamani, K. Hadidi. Development of Systemic Toxicological Analysis Using GC-MS in the Identification of Drugs in Blood for Clinical and Forensic Purposes. *Jordan Journal of Pharmaceutical Sciences.* 2010, 3(1): 18-24

- **A. Battah**, M. Al-Farras, I. Abdallat, M. Hadidi. Trends of carbon monoxide fatalities in Jordan. *Saudi Medical Journal*, 2009; 30 (6): 853-854.
- Al-Ghanem S., **Battah A.**, Salhab A. Monitoring of Volatile Anesthetics in Operating Room Personnel Using GC-MS. *Jordan Medical Journal*. 2008, 42(1): 13-19.
- Hajou, R., Afifi, F., **Battah, A.** Analysis of multi-component pesticide residue in *Origanum Syiacum*. *Food Additives and Contaminants*. 2007 Mar; 24(3):274-9.
- Abdulat IM, **Battah AH**, Hadidi K. The use of serial measurement of plasma cholinesterase in the management of acute poisoning with organophosphates and carbamates. *Forensic Sci Int*. 2006, 16; 162(1-3):126-30.
- S. Halabi, **A. Battah**, T. Aburjai, M. Hudaib. Phytochemical and Antiplatelet Investigation of *Gundelia tournifortii*. *Pharmaceutical Biology*. 2005, 43(6), 496-500.
- R. Hajou, F. U. Afifi, **A. Battah**. Determination of Multipesticide Residues in *Mentha piperita*. *Pharmaceutical Biology*. 2005, 43 (6): 554-562
- Hajou, R., Afifi, F., **Battah, A.** Comparative determination of multi-pesticide residues in *Pimpinella Anisum* using two different AOAC methods. *Food Chemistry*. 2004; 88(3):469-478.
- Otoom, S., Hadidi, K., Irsheed, Y., Hadidi, H., **Battah, A.** The effect of Famotidine and Diclofenac on Theophylline Pharmacokinetics in the rabbit. *Asian Journal of Chemistry*. 2004; 16(3-4): 1403-1409.
- **Battah, AK**, and Hadidi. KA. The role of a newly established toxicology laboratory in the management of acute poisoning in a teaching hospital. *Derasat*. 2003; 30(1): 13-19.
- Hadidi K.A., Aburjai T. and **Battah A. K.** A comparative study of *Ferula hermonis* root extracts and sildenafil on copulatory behavior of male rats. *Fitoterapia*. 2003; 74(3): 242-6.
- H. Jumaa, **A. Battah**, M. Saleem and B. Tiwari. Arsenic and Cadmium levels in Imported Fresh and Frozen Fish in Jordan. *Bulletin of Environmental Contamination and Toxicology*. 2002; 68(1): 132-7.
- Abder-Rahman H, **Battah, A.**, Ibrahim Y and Bataineh N. Aluminum Phosphide Fatalities. New local Experience. *Medicine, Science and the Law*. 2000, 40 (2): 164-168
- Abder-Rahman H, Hadidi, K. A; **Battah, A.** Reliability of Clinical Decisions Regarding Alcohol Influence. *Journal of clinical forensic Medicine*. 1999; 6: 141-144.
- S. Abu-AlRagheb, **A. Battah**. Carbon monoxide fatalities in medico-legal autopsies. *Medicine, Science and Law*. 1999; 39(3): 243-246.
- Hadidi, K. A; **Battah, A.** Stability of seven drugs of forensic toxicology interest in stored aqueous solution. *Acta Technologiae et Legis Medicamenti*. 1998; 9(1): 1-9.
- **A. Battah**, K. Hadidi. Stability of Trihexyphenidyl in stored blood and urine specimens. *International Journal of Legal Medicine*. 1998; 111: 111-114.
- Hadidi, K. A; **Battah, A** and Hinnawi, S. Alcohol in medicolegal cases seen at Jordan University Hospital. *Medicine Science and Law*. 1998; 38(1): 70-73.
- Rawashdeh, N; **Battah, A**; Irshaid, Y and Al-Qato, M. Comparative pharmacokinetics of two capsule formulation of nifedipine following a single oral administration into healthy volunteers. *European Journal of Drug Metabolism and Pharmacokinetics* 1997; 22(3): 259-264.
- **A. Battah**, Hadidi. K and S. Abu-Aragheb. Body fluid levels of Fentanyl, Pethidine and Midazolam following self-administration. *Dirasat* 1997; 24(2): 214-218.
- **Battah, A**; Oliver, J and Anderson, RA. Analysis of lysergic acid diethylamide in whole blood by HPLC- fluorescent detector. *Journal of Substance Misuse*. 1996; 1:155-159.

- Rawashdeh, N; Al-Hadidi, H; Irshaid, Y and **Battah, A.** Gastrointestinal Dialysis of Digoxin Using Cholestyramine. *Pharmacology and Toxicology.* 1993 72: 245-248.

3. Conferences

- L. Al-Eitan, **A. Battah**, M. Al-Majali, G. Thunibat, A. Elbetieha, A. shoter., Profiling Of Seized Heroin In Jordan By Thin layer Chromatography. First Jordanian conference for forensic medicine and sciences and The Second Islamic Countries Forensic Medicine Congress and the second Arab association of Forensic Medicine Physicians, Amman Jordan, 5th to 8th of September, 2006.
- **Battah A**, Huhelan M, Reda I, Atwan A. Academic and Counseling at the Faculty of Medicine, The University of Jordan, third Medical conferences of Jordanian Medical Schools. 6-7, April, 2006.
- H.A. Abder-Rahman, K.A. Hadidi, **A.H. Battah.** Reliability of clinical decision regarding alcohol influence. Presented in The national Institute of Scientific Investigation Symposium on Forensic Toxicology and **The International Association of Forensic Toxicologists (TIAFT) 43rd International meeting**, Seoul, Korea. Held between the 29th. August to 2nd of September, 2005.
- **Battah A**, M.D, Ph.D and Hadidi, K Ph.D. Stability of sulfonylureas in stored postmortem blood specimens and water standards. Presented in **2004 FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists (SOFT) and The International Association of Forensic Toxicologists (TIAFT).** Washington DC, 28th of Aug. to 3rd of Sep., 2004. SOFT-TIAFT-FBI-2004 Proceedings. Editor: Vina Spiehler, Ph.D., DABFT.
- **Battah A**, M.D, Ph.D and Hadidi, K Ph.D. The role of a newly established toxicology laboratory in the management of acute poisoning in a teaching Hospital. The first Arab Conference of Forensic Pathologist Federation. Damascus, 30th march –1st of April 2004.
- **Battah A**, Abu ARaghib S and Ahmed E. Comparative analysis of Aspirin in Human Serum, Plasma and Blood. Presented in the 5th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab world and the second International conference of Faculty of Pharmacy. 16th to 18th of 2001. Amman, Jordan.
- **Battah A** and Al-Azaam K. Profile of seized amphetamine in Jordan by GC-MS. Presented in the 5th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab world and the second International conference of Faculty of Pharmacy. October 16th to 18th, 2001. Amman- Jordan.
- **Battah, A**, Salim M and Jumaa H. Determination of Arsenic and Cadmium levels in imported fish in Jordan. Presented in the First meeting of the faculty of Higher Educational studies. 8th of May, 2000.
- Abu-AlRagheb S and **Battah A.** Carbon monoxide fatalities in medicolegal autopsies. Presented in the First British Congress of Forensic Sciences. Glasgow, United Kingdom, 8-12th of July 1998.
- Hadidi, K. **A, Battah, A** and Hinnawi, S. Alcohol in medicolegal cases seen at Jordan University Hospital. Presented in the 8th Arabic conference of clinical biology and the 1st Jordanian Conference of Medical Laboratory Sciences. Jordan, April, 1997.
- Hadidi, K. **A, Battah, A** and Hinnawi, S. Alcohol in medicolegal cases seen at Jordan University Hospital. Presented in the 1st Medical Spanish Jordanian Conference. Jordan, October, 1996.

- **Battah, A.**, Oliver, J and Anderson, RA. Analysis of lysergic acid diethylamide in whole blood by HPLC- fluorescent detector. Proceeding of the 34th Triennial meeting of the International Association of Forensic Toxicology, 1996.
- **Battah, A.**, Anderson, RA. Comparison of silyl derivatives of GC-MS analysis of morphine and by buprenorphine in blood. Proceeding of the 34th Triennial meeting of the international association of forensic toxicology. 1989:62-74.

4. Books

1. Toxic gases. **Battah, A.** In: Forensic Medicine (Arabic Language), second edition, supported by WHO. In Press
2. Medicinal plants, Pesticide Residues, and Analysis. Fatma U. Afifi, Rima M. Hajjo, and **Abdelkader H. Battah.** In: Handbook of Pesticides: Methods of Pesticide Residues Analysis (Editors Leo M.L. Nollet & Hamir Rathore), published by CRC Press, USA (Francis and Taylor Group). 2009: 401-434
3. Salhab, A, Jaghbeer, M and **Battah, A.H** Chemical warfare agents. Their types, characteristics, exposure manifestation, management, and precaution against their hazards. Dean-ship of research, The University of Jordan, Amman, 1991.

M.Sc. Research Projects

- **A. Battah, K.** Hadidi, A Abadi.: Study of IVS14+1G>A Polymorphism in Jordanian cancer patients with breast and colorectal cancer. Finished 2016
- **A. Battah, S.** Ismail: Characterization of novel aptamer inhibitors of the JAK2 tyrosine kinase. Finished 2016
- **A. Battah, M.** Jaghber, O AlBeshri: KNOWLEDGE, ATTITUDE, AND PRACTICE OF BIO- SAFETY PRECAUTIONS AMONGST LABORATORY WORKERS IN GOVERNMENTAL GENERAL HOSPITALS IN HOLY MAKKAH-CITY
- **A. Battah, K.** Hadidi, S Rashdan. Determination of alcohol level in selected beverages and its effect on alcohol breathe determination. Finished 2016
- **A. Battah, M.** Zohlof, H. AbdelGhani. Evaluation of the Potential Toxicity of Punica Granatum Linn-Extracted Tannins on Albino Rats. Finished 2015.
- **A. Battah, A.** Abadi, M. Abadi. EVALUATION OF PLATELETS SURFACE ANTIGENS AND ACTIVATION MARKERS IN AGROUP OF PATIENTS WITH MYELOPROLIFERATIVE NEOPLASMS BY MULTICOLOR FLOWCYTOMETRY AND CORRELATION WITH JAK2 MUTATIONAL STATUS. Finished 2015
- **A. Battah, T.** Edaily, A. Debbas. Degree of EGER, Surviving and CD25 Expression in Diffuse large B-Cell Lymphoma and Multiple Myeloma Using Immunohistochemistry, Finished 2015
- **Battah, A,** M AlSugheir, M, Ateiat, S. Application of Cystatin C as a biomarker for glomerular filtration rate in a group of patients with lung, head and neck cancer, receiving cisplatin chemotherapy in King Hussein Cancer Center in Jordan. Finished 2014
- **Battah, A,** Hudeib, A and Hudeib, M. Evaluation of dermal toxicity and volatile oil composition of Jordanian chamomile (*Matricaria aurea*).
- **Battah, A,** Qaqish B, Ismail, S. “ Occupational Exposure to Pesticides and Occurrence of the Chromosomal Translocation t(14,18) among Farmers in Jordan”, Finished August, 2013
- **Battah, A** Taniniah N, Tawaha A. Herbal plants effect on the gene expression of CYP3A4 , CYP2D6 and CYP2C19 in Cultured human hepatocytes. Finished April, 2013
- **Battah, A** H. Ayash. Identification and quantification of microcystins in the major water supplies/reservoirs in Jordan, Finished August, 2013
- **Battah, A** Mismar, S. Screening for Sudan dyes in chilli products, Finished in 2011

- **Battah, A** Ghanim, H, Al-Azzam, N. The effects of flavinoids on oxiditave stress and inflammation: Role in atherosclerosis. Started in 2010
- **Battah, A** Abu Ermeleh, B. Screening for Melamine in Dairy Products. Finished, 2010
- **Battah, A** Hikmat S, Aliter K. F. Reproductive toxicity of risedronate in regnant Rats. Finished, 2009
- **Battah, A** N Najeeb, I Y Hawalta. Development of a reversed-phase ESI-LC/MS/MS method for the determination of clomiphene isomers. Finished 2008
- Al-Qadi Enas Othman, **Battah A**, Hadidi K. Development of High Performance Liquid Chromatography Method for Vitamin D3 Analysis in Pharmaceutical Preparation. Finished 2008
- AL-Eitan N, Elbetieha A, **Battah A**. Profiling of seized heroin in Jordan by chromatographic techniques. Finished, 2006
- Afifi. F., **Battah, A.** and Hanandeh. N. Determination of the activity of Sarcopoterium as an antidiabetic plant on the hypoglycemic and normoglycemic rats
- **Battah, A.**, Qatto, M., Kharyoosh, A. Herbs ' Sage, Thyme and Parsley' Induced alteration of cytochrome P450 enzymes in rat liver. Finished, in 2006
- **Battah, A.**, Afifi F., and Aaqleh. C. Determination of some heavy metals in selected medicinal plants commonly used in Jordan. Finished, in 2006
- Battah, A, Aburjai T., Halabi, Samer. **Platelet Aggregation inhibition effect of the aerial part of Gundelia (*Gundelia tournifortii Asteraceae*)**. Finished in 2004
- **Battah, A.**, Salhab, A and Shammout M. Effects of Parsley (*Petroselinum sativum Hoffm.*) and Coriander (*Coriander sativum L.*) extracts on platelets aggregation and blood coagulation. Finished, in January, 2003
- Afifi F., **Battah, A.** and Hajou R. Determination of some pesticide residue in selected medicinal plants commonly used in Jordan. Finished in January, 2003
- **Battah, A.**, Qamaz, S. and Awad, A. Screening for impurities in the raw material of Captopril, Enalapril and Lisinopril. Finished in 2002
- **Battah, A.**, and Hourani M. and Subeih A. Correlation between lead levels at scalp hair surface and atmosphere. Finished in May, 2002
- **Battah, A.** and K. Al-Azaam. Profile of seized amphetamine in Jordan by GC-MS. Finished May in 2001
- **Battah, A**, M.L. Salim and H. Jumaa. Determination of Arsenic and Cadmium levels in imported fish in Jordan. Finished in June, 2000
- **Battah, A.** S. Abu-AlRagheb and A.M. Ahmad. Comparative study of analysis of aspirin in human plasma, serum and blood Finished in August, 2000

Conference participation, Workshops and Community services

- Ethics of Medical Research and Enhancing The Role of Young Researchers, Organized by The Jordan National Commission for Education, Culture and Science, National Committee for Science and Technology Ethics, April 29-30, 2014, Amman, Jordan
- Forensic Medicine and Sciences Congress, organized by several forensic societies including International Association of Forensic Toxicologists (TIAFT), Dubai, 1st. to 3rd. of April, 2014.
- Forensic Medicine workshop, Organized by Naif Arab University for Security Sciences, 16th. 20th. of March, 2014, Riyadh, Saudi Arabia.
- Work shop on Strategic Planning for Establishing National Residues Monitoring Program. AGR 49235, organized in co-operation with Ministry of Agriculture of Jordan and TAIEX. Amman 21st to 22nd of November, 2012.

- Training the health academics in National Universities and health providers in Ministry of Health Concerning the Research methodology and Ethics in Jordan, Organized by WHO and Ministry of Health, 22nd to 24th of October, 2011.
- Attended a workshop (Problem Based Learning, From Design to Practice) for academic from faculties of medicine at the Jordanian university. Organized by the Faculty of Medicine at the University of Jordan and WHO. 26th to 28th of April, 2011
- Attended the 4th International Conference of The Jordan Society of Pathology & laboratory Medicine, 14th to 16th, April, 2011, Amman, Jordan.
- Attended A workshop (**Clinical Investigation Training Program, {CITPII}**), organized by Jordanian Food and Drug Administration (JFDA), held in Amman, on the 2nd Of October, 2010
- Attended A workshop (**Training on Procedures and standards of Accrediting Faculties of Medicine**), organized by the **Higher Education Accreditation Commission** in Jordan. It was held on 1-2-2010.
- The Second Conference the Thirds International Conference on Medical Education and 6th Conference for of the Scientific Society of Arab Faculties of Medicine. Khartoum, Sudan, 28th of October to 2nd of November, 2009.
- The Second Conference for Faculty of Medicine at the University of Jordan and 5th Conference for Jordanian Medical Faculties. It was held the University of Jordan, Amman, Jordan, on 18th to 20th of April , 2009.
- Jordan Accreditation Workshop, held in Amman, Jordan, 26th to 27th of October 2008. Organized by the Higher Education Accreditation Commission in collaboration with World Health Organization
- Facilitating Clinical trials in **MENA** Region Conference it was held in Amman, Jordan, 23rd. to 24th. of October, 2008.
- The fifth Arab Spanish medical conference. It was held in Valencia, Spain, on 3rd to 5th of October, 2008.
- First Saudi International Conference on Medical Education. It was held in King Fahad Medical City, Riyadh-Saudi Arabia, 28th to 30th April, 2008.
- Learning and Teaching Strategies Workshop. It was held in King Fahad Medical City, Riyadh-Saudi Arabia, 27 of April 2008.
- Member of the organizing and scientific committee of the second Jordanian medical colleges and third conference of Scientific Arabic medical colleges 12-14, April 2006.
- Member of the organizing and scientific committee of the second Islamic countries forensic Medicine congress, the second conference of Arab Forensic pathologist and physician Union, and the first Jordanian International Conference on Forensic Science and Medicine, Septembers, 2006
- The 3rd Conference of Arab Society of Medical Faculties. It was held in the University of Science and Technology, Irbid, Jordan, 12th to 13th of April, 2006
- Participated in the expert committee on the preparation of the second edition of Forensic Medicine text book. 21st to 22nd of December 2005. **WHO** Cairo, Egypt.
- Participated and was awarded a certificate in Tempus Training for Trainee Course. It was held at the Jordan University with cooperation of European commission, Amman, 26th of June to 9th. of July, 2005.
- The First International Conference on Primary Care. It was held in Amman, Jordan on the 10th. to 12th. of November, 2005.
- Participated in the conference of (Islamic Scientist Efforts in Combating Drug Abuse) with a lecture title: Drugs of Abuse and their Influence. It was held in Amman, 7th to 9th of July 2005, with the cooperation of National committee for Education, culture and

- Science, Islamic Society for Education, Culture and Science and Islamic Society of Medical Sciences.
- The First Congress of Pan- Arab Forensic Doctors & 3rd Congress of Syrian Society of Legal Medicine. It was held in Al-Assad University Hospital, Damascus, Syria (30th March to 1st April 2004).
 - Participated in National Seminar on control of drug abuse. Held by WHO and Ministry of Health, Amman, October, 2002.
 - Participated in constructing the National Strategy on Chemical Safety and hazardous Wastes, 2002.
 - Attended the 39th Triennial meeting of the International Association of Forensic Toxicology, Prague, Czech Republic. August 2001.
 - Participated in organizing a workshop (Is the patient fit for interrogation for legal purposes) Faculty of Medicine, The University of Jordan. October, 2001.
 - Attended the Training workshop directed against Doping in Sport. Beirut, Lebanon 28th of May to 1st of June 2000. Organized by Arab Sport Federation.
 - Head of Social committee for the 1st Arabic Symposium for Antibiotics. Amman, Jordan, May 2000.
 - Red Cross and Red Crescent Federations: First Aid training workshops Presented lectures on first aid management of acute poisoning cases. Amman, December, 1997.
 - Several workshops in Forensic Medicine and Sciences for Judges and Attorneys. Presented lectures on alcohol, drugs of abuse and other forensic toxicology subjects. Judicial Institute of Jordan, Ministry of Justice.
 - Participate since 1996 in the scientific activities and workshops in the National Center of Forensic Medicine. Present lectures and courses in the field of Forensic Toxicology. Ministry of Health.
 - I- Chemical information management II- Collection of harmonized case data (INTOX) and management of toxic exposure. Presented lectures on Management of acute poisoning, Types of common poisoning in Jordan, Snakebites, Scorpion stings and Marine toxins. WHO, Amman, 3-6/11/1997.
 - The poison, human and environment. Presented a lecture on First aid management in acute poisoning and precautions to avoid poisoning, Amman Private University, 9/4/1997.
 - Quality assurance in medical education, ECFMG Global strategies in medical education, ECFMG clinical skill assessment, Center of Educational Development for Health Personnel, The university of Jordan, 7-8/5/1995.
 - Improving oral and clinical examination, Center of Educational Development for Health Personnel, The University of Jordan, 29-31/3/1997.
 - First Scientific Day of Jordan Society of Forensic Science. Presented a lecture on Alcohol poisoning and alcohol related medicolegal problems, Amman, 2/10/1994.
 - Public Places and transportation free from smoking. Presented a lecture on toxic constituents of tobacco smoke, Ministry of Health, Amman, 30th of June, 1992
 - Control of Environmental pollution Conference. It was held at Muta University, Karak, Jordan, September 21st to 22nd 1991
 - Drugs of abuse (status and management), presented a lecture on Classification of drugs of abuse. Pharmacy Council 6th of July, 1991.
 - Educational planning in the health sector workshop, Center of Educational Development for Health Personnel, The university of Jordan, 3rd to 23rd of February, 1990
 - Environmental pollution in local society. Center of Educational Development for Health Personnel, the University of Jordan, 13th of May, 1990.

- Radiation protection and exposure measurement standards workshop. Ministry of Energy, Amman, 26th to 30th of December, 1990.
- Participated in organizing and teaching English for doctor's courses, arranged by the Center of Consultation, The University of Jordan.
- Presented several lectures on precaution of exposure and management of exposure to chemical warfare agents, in the University, hospital and schools.

Membership of Scientific Organization

- Jordan Medical Council
- Jordan Society of Forensic Science
(Ex. member of the Administrative Board)
- Jordan Society of Clinical and Forensic Toxicologists
(Head of the Administrative Board)
- The International Association of Forensic Toxicologist
(Regional Representative)
- Jordanian Society for Control of Environmental Pollution
- Jordanian Sport Medical Federation
- Jordanian Society of Clinical Pathology