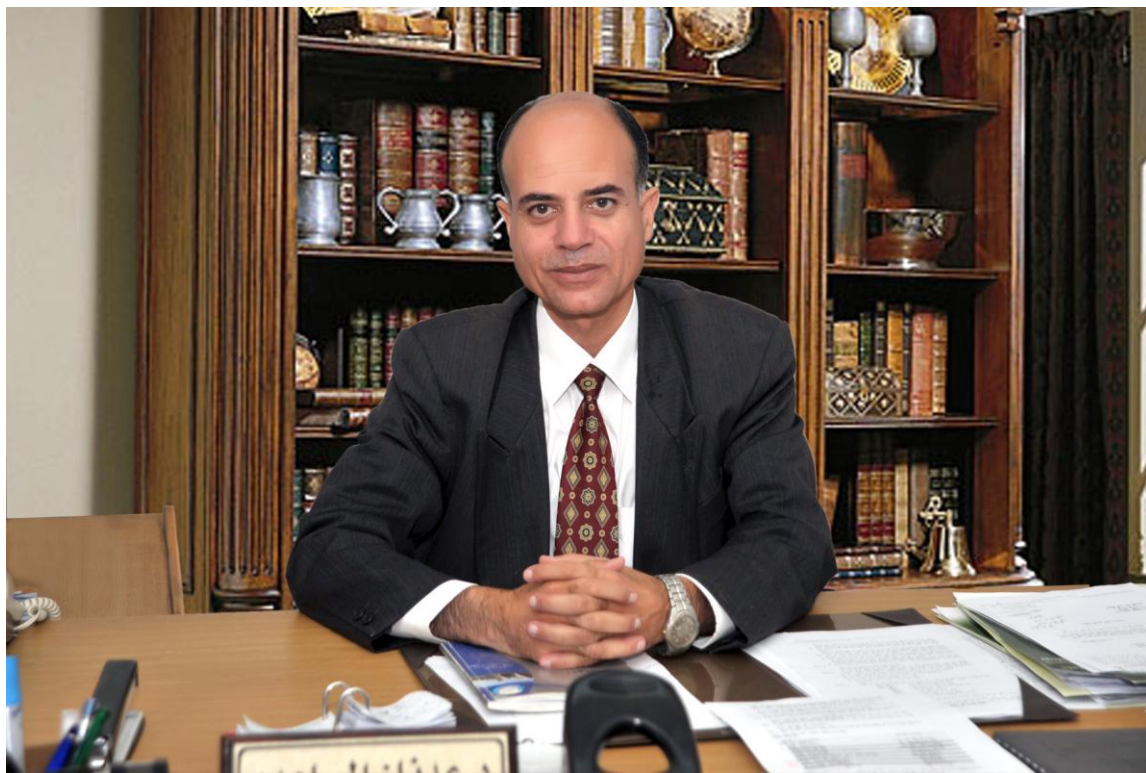


CURRICULUM VITAE

Prof. Dr. ADNAN MOHAMMED MASSADEH

Professor of Analytical Chemistry in the Faculty of Pharmacy
and Faculty of Science



PERMENENT ADDRESS:

- (1) Department of Chemistry and Environmental Science
Faculty of Science
Jordan University of Science and Technology
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Phone: 00962-2-7201000 (ext. 23545)
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- (2) Department of Medicinal Chemistry
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PERSONAL DATA

Date of Birth: Feb. 20, 1961

Place of Birth: Al-Sult-Jordan

Nationality: Jordanian.

Marital Status: Married

Number of children: 4

PRESENT RANK: Associate Professor, PhD, since 10-9-2006

Professor, since 10-9-2011.

EDUCATION AND ACADEMIC QUALIFICATION

1. PhD in **Instrumentation and Analytical Chemistry**, University of Manchester Institute of Science and Technology, UK, (2001).
2. MSc. in **Instrumentation and Analytical Chemistry**, University of Manchester Institute of Science and Technology, UK, (1998).
3. BSc. in **Chemistry**, Yarmouk University, Jordan (1983).

AREA OF SPECIALIZATION: Instrumentation and Analytical Science concerned on Analytical Environmental Chemistry, study of heavy metals in environmental samples and biological samples.

AREA OF RESEARCH: My research focuses on the study of heavy metals in different areas. In addition to some aspects that are related to analytical chemistry using different instrumental techniques such as AAS, HPLC, GC and ICP.

SUPERVISION AND EXAMINER FOR MSc THESES:

Supervision:

1. Advisor for MSc Student, Investigation of Alkaloids in Tobacco, Tea and Coffee Products from Jordan market Using HPLC (Omar Mefleh Mahassneh (20073091017), Department of Chemistry, Faculty of Science (**grant no.126 /2009**).
2. **Advisor** for MSc Student, Evaluation of blood lead level (Pb), and other selected

heavy metals, and their correlations with Iron deficiency in Jordanian children, “Moh’d Mohanad” A. Al-Dabet (20073012003), Faculty of Applied Medical Sciences/Medical Laboratory Sciences. (grant no. 62/2009).

3. Co-Advisor for MSc Student, Determination of Selected Heavy Metals Levels in Scalp Hair and Fingernails samples from Dental Technicians in Jordan, Mervat Awadeen (20063018008), Department of Public Health, Faculty of Medicine (grant no. 188 /2008).

4. Advisor for MSc Student, Evaluation of Heavy Metals in cosmetics from Jordan And Sudan Markets, Shatha Majthoub Taha (200509101), Department of Chemistry, Faculty of Science (grant no. 95/2007).

5. Advisor for MSc student; Samer Khariebeh, Dept. of Chemistry/Faculty of Science, (grant no. 1/2005). Pre-concentration Techniques for determination of selected heavy metals in potable water in the northern part of Jordan.

6. Advisor for MSc student; Al'a Al-Hosban, Faculty of Pharmacy, (grant no. 94/2005), An Investigation of Selected Heavy Metals in Different Pharmaceutical Dosage Forms.

7. Co-advisor for MSc student; Mohammed Al-Omari, Department of chemistry/Faculty of Science (grant no. 65/2005), Determination of heavy metals in selected medicinal plants grown in Jordan.

8. Advisor for MSc student; Hadeel Bataieneh, Faculty of Agriculture, (grant no. 81/2004). Department of Plant Production/ Faculty of Agriculture. Chemical Composition and Seed Germination of *Rhus Coriaria* L. Collected from Ajloun Area, Jordan.

9. Co-advisor for MSc student; Hala Smadi, Department of Chemistry Faculty of Science, (grant no. 78/2004). An assessment of heavy metals in human hair in northern part of Jordan (Department of chemistry, JUST, 2004).

10. Advisor for MSc graduated student; Khalid Walid Omari (**grant no. 40/2003**), Department of Chemistry/Faculty of Science. Determination of nicotine and cotinine in blood and urine using high performance liquid chromatography and gas chromatography.

11. Co-advisor for MSc graduated student; Mohammed Ra'ed Dalaileh, Faculty of veterinary (**grant no. 110/2002**).An Assessment of some heavy metal levels in local and imported sheep carcasses using Atomic Absorption Spectrometry.

12. Analysis of heavy metals for MSc graduated student; Qusi Al-Balus, Faculty of Pharmacy, (**grant no. 24/2002**) upon request of his supervisor Professor Ahamad Al-kofahi.

13. Analysis of heavy metals for MSc graduated student; Rania Obiedat, Faculty of Pharmacy, (**grant no. 55/2003**) upon request of her supervisor Dr. Mohsen Al-Mahmoud.

Examiner for MSc Theses:

1. A member of the examination committee for MSc thesis, Rola Ahed Al-Ibrahimk entitled " Assessment of possible contamination of groundwater resources in the vicinity of Yarmouk River, North Jordan with major ions and selected toxic trace elements “**Department of Earth and Environmental Sciences**, Faculty of Science, Yarmouk University, **December, 2011**).

2. A chairman of the examination committee for MSc Student, Evaluation of blood lead level (Pb), and other selected heavy metals, and their correlations with Iron deficiency in Jordanian children, “**Moh’d Mohanad” A. Al-Dabet (20073012003)**, Faculty of Applied Medical Sciences/Medical Laboratory Sciences. (**Tuesday 21-12-2010**).

3. A chairman of the examination committee for MSc Student, Investigation of Alkaloids in Tobacco, Tea and Coffee Products from Jordan market Using HPLC, **Omar Mefleh Mahassneh (20073091017)**, Department of Chemistry, Faculty of Science. (**Monday 20-12-2010**).

- 4. Co-Advisor and a member of the examination committee** for MSc Student, Determination of Selected Heavy Metals Levels in Scalp Hair and Fingernails samples from Dental Technicians in Jordan, **◌Mervat Awadeen (20063018008)**, Department of Public Health, Faculty of Medicine **(Thursday, 3-6-2010)**

- 5. A member of the examination committee** for MSc thesis, Samer Sami Abu-Alrub, entitled "A modified analytical method for determination of Erythrosine (E 127) in different matrices “**Department of Chemistry**, Faculty of Science, Al al-Bayt University, **Tuesday, 18-5-2010**).

- 6. External examiner and a member of the examination committee** for MSc thesis, Heba Ali Fraij, entitled "Comparative Study of the Uptake of Ammonium Ion by Natural Jordanian Clay Minerals with Synthetic Ion Exchanger from Aqueous Solution “**Department of Chemistry**, Faculty of Science, Al al-Bayt University, **Wednesday, 20-5-2009**).

- 7. External examiner and a member of the examination committee** for MSc thesis, Eshraq Zuhair El Jamal, entitled "Quantitative Determination of Selected Trace Elements in Commonly Used Medicinal Herbs in the Jordanian Market “**Department of Chemistry**, Faculty of Science, Yarmouk University, **Sunday, 19-4-2009**).

- 8. A chairman of the examination committee** for MSc thesis entitled “Evaluation of Heavy Metals in cosmetics from Jordan and Sudan Markets” Shatha Majthoub Taha (200509101), Department of Chemistry, Faculty of Science, December 2008).

- 9. A member of the examination committee** for MSc thesis, entitled Factors That Influence Low Vitamin B12 Level Among College Students. Banan Ali Habib Allah, “**Department of Nutrition Technology**, Faculty of Agriculture, JUST University, **15-10-2008**).

10. External examiner and a member of the examination committee for MSc thesis entitled "Wastewater and Sludge Quality in Industrial Estates, Jordan". Abeer M. Bashabsheh, (Department of Chemistry, Mu'tah University, 2-1-2008).

11. External examiner and a member of the examination committee for MSc thesis entitled "Laser Photodegradation of alpha- Tocopherol (Vitamin E) in Different Solvents; Identification of Phtoproducts using Mass Spectrometry and HPLC". **Nuseibah M. Bany Yasin**, Department of Chemistry, Yarmouk University, Monday, 10-12-2007).

12. External examiner and a member of the examination committee for MSc thesis entitled "Chemical Quality for Drinking Water in Zarqa City, Jordan". Islam M. Maqableh (Department of Environmental Science, Yarmouk University, July, 2007).

13. External examiner and a member of the examination committee for MSc thesis entitled "Determination and Separation of Rosiglitazone and Metformin in Tablet Dosage Form by HPLC". Ibrahim Ezat Duriedy (Department of Chemistry, Al-Balqa University, 27-5-2007).

14. External examiner and a member of the examination committee for MSc thesis entitled "Heavy Metals in Ma'an City". Eid Al-Sbou (Department of Chemistry, Mutah University, 4-5-2007).

15. External examiner and a member of the examination committee for MSc thesis entitled "The Role of Natural Jordanian Zeolite in Treatment of Waste and Drinking Water by Coulmn and Batch Experiment". Hammad Ali Yones, department of Chemistry, Al al-Bayt University December, 2006).

16. A chairman of the examination committee for MSc thesis entitled "An investigation of heavy metals in potable and waste water in the northern part of Jordan. Samer Aiyesh Khariebeh (Department of Chemistry, JUST University, 16 May 2006).

17. A chairman of the examination committee for MSc thesis entitled “An evaluation of selected heavy metals in herbal medicinal plants and different pharmaceutical dosage forms. Al’a Al-Hosban (Department of Medicinal Chemistry and Pharmacognosy, Faculty of Pharmacy, JUST University, 21 May 2006).

18. A chairman of the examination committee for MSc thesis entitled “Chemical composition and seed germination of *Rhus coriaria* in Ajlun area, Jordan (Hadeel Batieneh, Department of plant production, Faculty of Agriculture, JUST University, 24 May 2006).

19. External examiner and a member of the examination committee for MSc thesis entitled “Heavy Metals in Sediments from the Algerian Coasts of the Mediterranean Sea”. Soraya Abed Mohamed Belhadj (Department of Chemistry, Yarmouk University, August, 2006).

20. A member of the examination committee for MSc thesis entitled “An investigation of heavy metals in roadside soil agricultural soil in Bani Kanana District, North Irbid City, Jordan using atomic absorption spectrometry”. Maher Adnan Ahmad Malkawi (Department of Chemistry, Mut’a University, 2004).

21. External examiner for MSc thesis entitled “Geochemical Study of Selected Toxic Heavy Metals Associated With Oil Refinery in Al-Hashmieya Area, North Jordan” Shereen Yousef Al-Shatnawi, Department of Environment Science, Yarmouk University, 28 December 2003.

22. External examiner for MSc thesis entitled “Geochemical Study of Selected Toxic Heavy Metals from the North Gohr Soils: An Environmental Approach” Mohammed Mahmoud To'mah, Department of Environment Science, Yarmouk University, 25 August-2003.

23. External examiner for MSc thesis entitled “Heavy Metals Contamination of Soil, Air and Plants in Neighborhood of the Scrapyards of Discarded

Vehicles Near Zarqa City” Baheya M. Maiteh, Department of Chemistry, Mu'tah University, 3 June 2003.

24. External examiner for MSc thesis entitled “Geo-Environmental Studies of Irbid area, North Jordan”, Ibrahim Al-Btaihi, Department of Environment Science, Yarmouk University, 25 May 2003.

25. A member of the examination committee) for MSc thesis entitled “An Assessment of some heavy metal levels in local and imported sheep carcasses using Atomic Absorption Spectrometry” Mohammad Ra'ed Dalae'h, Faculty of veterinary, JUST, 24 May 2003.

PUBLICATIONS:

- 1. Adnan M. Massadeh** and RD Snook, Determination of Pb and Cd in road dusts over the period in which Pb was removed from petrol in the UK, *J. Environ. Monit.* **4**, 567-572 (2002).
- 2. Feras Aali and Adnan Massadeh**, Determination of nicotine and general toxicity of Jordan's market cigarettes, *Acta Chimica Slovenica.*, **50**, 251-258 (2003).
- 3. Adnan Massadeh**, Feras Aali and Qasem Jaradat, Determination of copper and zinc in different brands of cigarettes in Jordan, *Acta Chimica Slovenica.*, **50**, 375-381 (2003).
- 4. Adnan M. Massadeh**, Distribution of Copper and Zinc in Different Fractions of Particle Sizes in Road Dust Samples in Irbid City, Jordan Using Atomic Absorption Spectrometry., *Research. Journal of Chemistry and Environment* **7(4)** Dec., 49-54 (2003).
- 5. Adrian M. Massadeh and Qasem M. Jaradat**, AVERAGE PARTICLE SIZE RATIOS AND CHEMICAL SPECIATION OF COPPER AND ZINC IN ROAD-DUST SAMPLES, CHAPTER 4 in a book, 69-79 (2004).
- 6. A. M. Massadeh**, M. Tahat, Q. Jaradat, I. F. Al-Momani, “Lead and Cadmium contamination in roadside soil in Irbid city, Jordan. *Journal of*

- Soil and Sediment Contamination: International Journal, **13 (4)**, 347-359 (2004).
7. Qasem M. Jaradat, Kamal A. Momani, Abdel-Aziz Q. Jbarah and **Adnan M. Massadeh**, Inorganic analysis of dust fall and office dust in an industrial area, Jordan, *Environmental Research Journal* **96**, 139-144 (2004).
 8. **Adnan Massadeh**, Feras Aali and Qasem Jaradat, Determination of cadmium and lead in different brands of cigarettes in Jordan, *Journal Environmental Monitoring and Assessment*, **104**, 163-170 (2005).
 9. Qasem Jaradat, **Adnan M. Massadeh**, Mohammed A. Zaitoun and Baheyah M. Maitah, Heavy metal contamination of soil, plant and air of scrapyard of discarded vehicles at Zarqa City, Jordan, *Soil and Sediment Contamination*, **14 (5)**, 449-462 (2005).
 10. L.Shareif, **Adnan M. Massadeh**, R. Dalale'h and M. Hassan, copper and mercury in local Jordanian and imported sheep meat and organs, *Bulgarian Journal of Veterinary Medicine* **8(4)**, 255-263 (2005).
 11. **Adnan M. Massadeh** and Saafan Al-Safi, Analysis of cadmium and lead: Their immunosuppressive effects and distribution in various organs of mice, *Biological Trace Element Research* **108(1-3)**, 278-286 (2005).
 12. **Adnan M. Massadeh**, Fouad Al-Momani and Hazem Haddad, Removal of lead and cadmium by halophilic bacteria isolated from the Dead Sea Shore, Jordan, *Biological Trace Element Research* **108(1-3)**, 259-270 (2005).
 13. Fouad Al-Momani and **Adnan M. Massadeh**, The Effect of different heavy metal concentrations on *Drosophila melanogaster* larval growth and development, *Biological Trace Element Research* **108, (1-3)**, 271-278 (2005).
 14. Qasem Jaradat, **Adnan M. Massadeh**, Mohammed A. Zaitoun and Bahia Maitah, Fractionation and sequential extraction of heavy metals in the soil of scrapyard of discarded vehicles, *Environmental Monitoring and Assessment* **112**, 197-210 (2006).

15. **Adnan M. Massadeh**, Labib Al-Shareif, Rae'd Dalale'h and Mohammad Hassan, Analysis of lead in local Jordainand imported sheep meat and organs using Atomic Absorption Spectrometry, *Environ. Monit. and Assess* **115** , 87-93 (2006).
16. A. Alomari, I. F. Al-Momani, **Adnan M. Massadeh**, Lead and cadmium in human teeth from Jordan by atomic absorption spectrometry: some factors influencing their concentrations, *Science of the Total Environment*, **369**, 69-75 (2006).
17. **Adnan M. Massadeh** and Saafan Al-Safi, Idrees Al-Momani, Mohsen Al-Mahmoud and Ahmad Al-Kofahi, Analysis of cadmium and lead in mice organs: Effect of Nigella sativa L. (black cumin) on the distribution and immunosuppressive effect of cadmium-lead mixture in mice, *Biological Trace Element Research* **115** (2), 157-167 (2007).
18. Fouad Al-Momani, **Adnan Massadeh**, Yazen Haddad, Uptake of zinc and copper by halophilic bacteria isolated from the Dead Sea Shore, Jordan, *Biological Trace Element Research* **115** (3), 291-300 (2007).
19. **Adnan M. Massadeh** Saafan A. AL-Safi, Idrees Al-Momani, Ahmed Alomary, Qasem Jaradat, Ahmad S. Al-Kofahi Garlic (*Allium sativum* L.) as a Potential Antdote for Cadmium and lead intoxication: Cadmium and Lad Distribution and Analysis in Different Mice Organs, *Biological Trace Element Research* **120** (1-3), 227-234 (2007).
20. Mutewekil Obiedat, **Adnan Massadeh**, Ahmad Al-Ajlouni, Fiasel Athamneh, Analysis and evaluation of nitrate levels in groundwater at Al-Hashmia Area, Jordan, *Environmental Monitoring and Assessment*, **135**, 475-486 (2007).
21. **Adnan M. Massadeh**, Qasem Jaradat, Mutewekil Obiedat, Chemical Speciation of Lead and Cadmiumm in different Size Fractions and Dust Samples from Two Busy Roads in Irbid City, Jordan, *Soil and Sediment Contamination: An International Journal*.**16**:371-382 (2007).
22. Idrees Al-Momni, Kamal Al-Momani, **Adnan Massadeh**, Qasem Jaradat, Ahmed Alomary, Atmospheric Deposition of Major Trace Elements in Amman, Jordan, *Environmental Monitoring and Assessment*, **136**, 209-218 (2008).

23. Abdul-Wahab El-Rjoob, **Adnan Massadeh**, Mohammad Omari, Evaluation of Pb, Cu, Zn, Cd, Ni and Fe levels in *Rosmarinus officinalis labiatae* (Rosemary) medicinal plant and soils in selected zones in Jordan, *Environmental Monitoring and Assessment Journal*, **140**, 61-68 (2008).
24. **A. M. MASSADEH**, F. A. AL-MOMANI, AHMAD ELBATIEHA, An Assessment of Heavy Metals Concentration in Soil Samples from the Vicinity of Busy Roads: Influence on *Drosophila Melanogaster* Lifecycle, *Biological Trace Element Research*, **122**, 292-299 (2008).
25. Mutewekil M. Obeidat, Fayez Y. Ahmad, Nezar A. Al Hamouri, **Adnan M. Massadeh**, and Faisal S. Athamneh. Assessment of Nitrate Contamination of Karst Springs, Northern Jordan, *Revista Mexicana de Ciencias Geologicas*, **25(3)**, 426-437 (2008).
26. Mohsen Al-Mahmoud, **Adnan Massadeh**, Rania Obiedat, Evaluation of Cadmium, Copper, Lead and Zinc Levels in Soil Samples near Locust Pods *Communications in Soil and Plant Analysis*, **39**, 2333-2342 (2008).
27. **Massadeh Adnan M**, Gharaibeh Ahmad A, Omari Khaled W, A single step extraction method for the determination of nicotine and cotinine in Jordanian smokers' blood and urine samples by RP-HPLC and GC/MS, *Journal of Chromatographic Science*, **47(2)**, 170-177 (2009).
28. **Adnan Massadeh**, Qasem Jaradat, Kamal Momani, Maher Al-Saleem, Distribution of heavy metals in some tree leaves along the main road in an agricultural area, *Communications in Soil and Plant Analysis*, **40**, 1254-1267 (2009).
29. Baker HM, **Massadeh AM**, Younes HA, Natural Jordanian zeolite: removal of heavy metal ions from water samples using column and batch methods, *Environ. Monit. Assess.*, 157, 319-330 (2009).
30. **Adnan Massadeh**, Ahmed Gharibeh, Khaled Omari, Idrees Al-Momani, Ahmed Alomari, Hiatham Tumah, Wail Hayajneh, Simultaneous Determination of Cd, Pb, Cu, Zn and Se in Human Blood of Jordanian Smokers by ICP-OES, *Biological Trace Element Research*, **133**, 1-11(2010).

31. Q. M. JARADAT, A. M. MASSADEH, K. A. MOMANI, AND M. A. AL SALEEM, The Spatial Distribution of Pb, Cd, Zn, and Cu in Agricultural Soils, *Soil and Sediment Contamination*, **19**, 58–71, 2010.
32. Adnan Massadeh, Abdul-Wahab El-Rjoobb, Hala Smadi, Lead, cadmium, copper, zinc, iron, and calcium in human hair as a function of gender, age, smoking, and hair dyeing, *Toxicological & Environmental Chemistry*, Vol. **93**, No. 3, March 2011, 494–503.
33. ADNAN M. MASSADEH, HUTAF M. BAKER, MUTEWEKIL M. OBEIDAT, SALEH K. SHAKATREH, BAYAN A. OBEIDAT, EYAD S. ABU-NAMEH, Analysis of Lead and Cadmium in Selected Leafy and Non-Leafy Edible Vegetables Using Atomic Absorption Spectrometry, *Soil and Sediment Contamination*, **20**:306–314, 2011

Note: most of these publications are cited in **Scopus** and the **h- index** for Dr. Adnan Massadeh is **8**.

REVEIWER

Many papers have been reviewed upon request of editors for the following journals:

- ◆ Journal of Chromatography B
- ◆ Journal of Chromatographic Science.
- ◆ Science of the Total Environment Journal.
- ◆ Environmental Monitoring and Assessment Journal
- ◆ Journal of Biological Trace Element Research
- ◆ Food and Chemical Toxicology Journal
- ◆ Talanta
- ◆ Journal Research of Chemistry and Environment
- ◆ Journal of Environmental Management
- ◆ Journal of Lybian Medicine
- ◆ Journal of Planta Medica
- ◆ Journal of Toxicological & Environmental Chemistry
- ◆ Journal of Desalination
- ◆ Journal of Soil and Sediment Contamination: An International Journal

PUBLISHED BOOKS

1. **Adnan M. Massadeh**, An introduction to Chemistry of Environmental Pollution (in Arabic language), sponsored by the Ministry of Culture, Jordan, printed by Al-Sha'b company, Irbid-Jordan, 1997.
2. **Adnan M. Massadeh**, and Mohammed Al-lafi, An introduction to Environmental Pollution, Irbid, Jordan, 1996.
3. **Participate in preparing for the Chemistry subject for level 10 students in the Jordanian Ministry of Education.**

المشاركة في تأليف مبحث الكيمياء للصف العاشر بناء على تكليف من معالي وزير التربية والتعليم والتعليم العالي في المملكة الأردنية الهاشمية حيث أقر مجلس التربية والتعليم تدريسه اعتباراً من العام الدراسي 2005/2006.

INTERNATIONAL SCIENTIFIC CONFERENCE PRESENTATION

1. **Adnan M. Massadeh, Adul Wahab Rjoob, Samer Khariebeh**, A Developing Method for Analysis of Heavy Metals in Tap Water Using Inductively Coupled Plasma After Pre- Concentration by Chelex-100, XXII National Chemistry Congress, 6-10 October 2008, Magosa, North Cyprus, Eastern Mediterranean University.
2. **Adnan M. Massadeh**, (CADMIUM AND LEAD IN CIGARETTES AS ENVIRONMENTAL AIR POLLUTANTS), 1st International Conference on Air Pollution and Combustion, 22-25 June, 2005, Middle East Technical University, Ankara, Turkey.
3. **Adnan M. Massadeh**, Qasem Jaradat, (AVERAGE PARTICLE SIZE RATIOS AND CHEMICAL SPECIATION OF COPPER AND ZINC IN ROAD DUST SAMPLES), poster for the 20th Annual international Soil and Sediment Conference, Amherst, Massachusetts, USA, 18-21 October 2004.
4. **Adnan M. Massadeh**, R. D. Snook, An investigation of Pb and Cd in Road Dust Samples using Graphite Furnace Atomic Absorption Spectrometry, The analytical Research Forum, RSC, University of East Anglia-Norwich, UK, 16-18 July 2001.
5. **Adnan M. Massadeh**, R. D. Snook, Determination of Pb and Cd in Road Dust Samples using Graphite Furnace Atomic Absorption Spectrometry. Young Researchers ' Meeting and Specialist Symposia, The Annual

Conference, RSC, University of Manchester Institute of Science and Technology (UMIST), Manchester-UK, 16-17 April 2000.

NATIONAL CONFERENCES AND OTHER MEETINGS OF A SCIENTIFIC NATURE

- 1. Adnan Massadeh**, Ahmad Gharaibeh, Khaled Walid Omari, oral presentation: Validated Method for Determination of Cotinine and Nicotine in Human Plasma and Urine Using Reversed-phase High-Performance Liquid Chromatography (RP-HPLC) in Jordanian Smokers. (12th Jordanian Chemistry Conference, held by The Jordanian Chemical Society, 20 May 2010, Jordan University of Science and Technology.
- 2. Rapporteur** for the First National Conference “Towards a Healthy Environment for Children:”, 8-9-July 2003, Jordan University of Science and Technology (JUST). This conference was organized in collaboration between Queen Rania Al-Abdullah Center for Environmental Sciences and Technology/JUST and The regional Center for Environmental Health Activities/WHO.
- 3. Adnan M. Massadeh**, Poster: Lead and Cadmium in road dust samples in Irbid City, Jordan. Twelfth Arab Chemistry Conference (Fifth Jordanian Chemistry Conference 21-24, October 2003, Amman–Jordan.
- 4. Adnan M. Massadeh**, Attendance. Second Symposium on Use of Nuclear Techniques in Environmental Studies, 23-25 September 2002, Center for Theoretical and Applied Physical Sciences, Yarmouk University, Irbid-Jordan.
- 5. Adnan M. Massadeh**, Attendance. Third Symposium on Use of Nuclear Techniques in Environmental Studies, 16-18 September 2003, Center for Theoretical and Applied Physical Sciences, Yarmouk University, Irbid-Jordan.
- 6. A. Alkofahi, M. Abuirjeie, A. Massadeh, A. Hunaiti, A. Alogla**, Screening of several Jordanian medicinal plants guided by brine shrimp assays. 2nd Annual Scientific Day of the Faculty of Medicine and Faculty of Pharmacy, JUST, Jordan, April, 1988.
- 7.** The Third Jordanian Environmental Conference, 14-15 December 2004.
- 8.** The First Scientific Day for Graduate Studies, JUST 4-5-2005, The best poster award was given to one of my MSc students.

9. The Third Scientific Conference for The Jordanian Research Society, Amman, Jordan, 16-11-2007.

EMPLOYMENT RECORD:

1. (10/9/2001 – 9/9/2006), Assistance professor in instrumentation and analytical Chemistry, Jordan University of Science and Technology University, Faculty of Pharmacy, and Department of Environmental Sciences, Faculty of Science, Jordan University of Science and Technology.
2. A member in and Rapporteur for different activities in different committees at the faculty of Pharmacy such Scientific committee, Conferences and Scientific Day Committee, Scientific research committee, Graduate studies committee, etc..since 10/9/2001 until now).
3. A member in Jordan University of Science and Technology Council (2002/2003) and (2005/2006).
4. A member in the Civil Society Development Centre Council (2004/2005).
5. A member in the Faculty of Pharmacy Council (2004/2005, 2007/2008 and 2011/2012).
6. (1/9/2006 to 31/8/2008), Assistant Dean of Graduate SDudies, Jordan University of Science and Technology.
7. A representative to follow the website of the for the Faculty of Graduate Studies (1/9/2006 to 31/8/2008).
8. A representative for the Faculty of Graduate Studies in the Control and Quality Insurance for Higher Education Committee at Jordan University of Science and Technology (2007/2008).
9. (10/9/2006 until 9/9/2011), Asscosiate professor in instrumentation and analytical chemistry, Jordan University of Science and Technology University, Faculty of Pharmacy, and Department of Environmental Sciences, Faculty of Science, Jordan University of Science and Technology.
10. (1/9/2011 to now), Vice Dean of Graduate SDudies, Jordan University of Science and Technology.
11. A member and Rapporteur in the Faculty of Graduate Studies Council (2011/2012).

12. (10/9/2011), Professor in instrumentation and analytical chemistry, Jordan University of Science and Technology University, Faculty of Pharmacy, and Department of Environmental Sciences, Faculty of Science, Jordan University of Science and Technology.

During this period I taught the following courses:

1. Analytical Chemistry for under graduate students (second years).
2. Instrumentation and Quality Control for under graduate students (third year).
3. Practical Analytical Chemistry for under graduate students (second year).
4. Instrumental Analysis and Quality Control Laboratory for under graduate students (third year).
5. Advanced Instrumental Analysis and Quality Control (**Master students**).
6. Selective topics (**Master students**).
7. Seminar (**Master students**).
8. Supervised MSC Students from different faculties in Jordan University of Science and Technology related to Analytical chemistry aspects.
9. Chemistry of Water Pollution (second year, for Environmental Science students)
10. Selective topics A, B, C (Fourth year, for Environmental Science students)
11. Environmental Applications (Third year for Environmental Science students).
12. Forensic Chemistry (Third year for Forensic Science students).
13. Instrumental Analysis (Fifth year for Chemical Engineering students).

COMPUTER LITERACY

Excellent computer skills in Office Automation, power point skills, and statistical Data Analysis Programs. Excel and origin 4.1 for constructing figures. Using a mintab statistical program for data analysis.

TRAINING COURSES

1. Organizer and lecturer in: 'Environmental Pollution Facts and Solution' training course, Consultative Center, JUST 23-24, June 2003.
2. Organizer and lecturer in: 'Applications of Instrumental Analysis in Pharmacy and Chemistry' training course, Consultative Center, JUST 24-31 July 2004.

I attended the following training courses:

1. Education Technology No. 29 entitled "Measurement and Evaluation", 4-6 February 2002. The Consultative Center for Science and Technology, Department of Continuing Education /JUST.
2. Education Technology, No. 30 entitled "Communication and Show Skills", (18-20 June 2002).The Consultative Center for Science and Technology, Department of Continuing Education /JUST.
3. Application of Immunohistochemistry and Two Dimensional Gel Electrophoresis in Research and Diagnosis, (24-26 December 2002). The Consultative Center for Science and Technology, Department of Continuing Education /JUST.
4. Education Technology, No. 33 entitled "Active Education using new techniques", (30 September 2003 to 2 October 2003). The Consultative Center for Science and Technology, Department of Continuing Education/ JUST.

MEMBERSHIPS of PROFESSIONAL BODIES

1. A presidennt of Students Chemical Society at Yarmouk University, 1982.
2. A membership of the Jordanian Society of Chemistry (1983) until now.
3. A memborship of the Jordanian Environmental Society (1990) until now.
4. Associate membership in The Royal Society of Chemistry-UK 1999 until now.
5. A membership and Rapporteur of The Academic Staff Society in Jordan Universty of Science and Technology (2006-2008) and (2008-2010).

6. A stablishment member in the Jordanian Society for Thinking and Dialouge.
7. President of The Academic Staff Society in Jordan Universty of Science and Technology (22/11/2010 until now).

KNOWLEDGE OF LANGAUGES

1. Arabic: Excellent in reading, spoken and writing.
2. English: Very good in reading, spoken and writing.

INTEREST Scientific research, Reading, Writing articles, Trips, Sport.