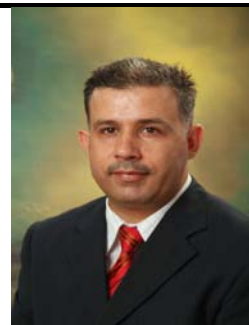

CURRICULUM VITA

Personal data

Name Mufeed Issa Batarseh
Date of Birth 14.06.1968
Place of Birth Jarash/Jordan
Marital Status Married, three daughters
Occupation Director/Associate Professor
Mutah University, Karak, Jordan
Email: Batarseh@mutah.edu.jo



EDUCATION

| Date | Educational Institute | Country | Major | Certificate |
|-----------|--------------------------------------|---------|--|---------------|
| 2000-2003 | Technical University of Braunschweig | Germany | Environmental Analytical Chemistry and Waste Analysis (Chromatography) | Ph.D |
| 1997-1999 | University of Jordan | Jordan | Environmental Sciences and Management (Water Chemistry) | M.Sc. |
| 1986-1990 | Kuwait University | Kuwait | Chemistry | B.Sc. |
| 1990-1993 | Yarmouk University | Jordan | Chemistry | B.Sc. (cont.) |
| 1986 | Jarash Secondary School | Jordan | Scientific Stream | High School |

LANGUAGES

| Language | Reading | Writing | Talking |
|-----------------|-----------|-----------|-----------|
| Arabic (native) | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Excellent |
| German | Good | Good | Good |

EMPLOYMENT

- 03/2010-Present** Director of Prince Faisal Center for Dead Sea, Environmental and Energy Research\Mutah University, Karak, Jordan.
- 04/2009-Present** Associate Professor/Faculty of Science
- 06/2009-09-2009** Deputy Director of Prince Faisal Center for Dead Sea, Environmental and Energy Research/Mutah University.
- 04/2004-04/2009** Assistant Professor Researcher and Head of Laboratories Department\ Prince Faisal Center for Dead Sea, Environment and Energy Research\Mutah University, Jordan
- 01/2004-3/2010** Head of Laboratories Department\ Prince Faisal Center for Dead Sea, Environment and Energy Research\Mutah University, Jordan
- 04/2004-06/2003** Ph.D candidate in Institute of Environmental Chemistry and Waste Analysis /Technical University of Braunschweig, Germany.
- 04/1994-02/2000** Teaching and Research Assistant for Instrumental Laboratories /Mutah University, Karak-Jordan.
- 06/1993-03/1994** Chemist, Chemical Industries (Detergents and Distillation Factories), Amman-Jordan.

MANAGEMENT EXPERINCE

- **03/2010-Present** Director of Prince Faisal Center for Dead Sea, Environmental and Energy Research, Mutah University, Jordan.
- **07/2009-Present** Exceed Project Coordinator: Satellite Center in Jordan, **Excellence Through Dialogue-Sustainable Water Management in developing countries**, funded by German Federal Ministry for Economic Cooperation and Development (**BMZ**) and German Academic for Exchange services (**DAAD**).
- **NATO Partner Project Director (PPD)**, two times 2006 & 2010.
- **06/2009-09/2009** Deputy Director of Prince Faisal Center, Mutah University.
- **04/2004-002/2010** Head of Lab. Dept.\ Prince Faisal Center for Dead Sea, Environment and Energy Research\Mutah University, Karak, Jordan.
- **04/2009-01/2010** Project Coordinator/Dialogue Through Scientific Co-operation: Wastewater Reuse and Soil Amendments in Jordanian Agriculture, joint venture project between Mutah University and the Technical University of Braunschweig/Germany, funded by German Academic Exchange Services (DAAD).
- **05/2006-2009** Project Coordinator/Integrated Graywater Management in Vulnerable Communities for Large Water Consumers in Jordan , joint venture project between Mutah University, Royal Scientific Society RSS and Canadian International Development Research Center IDRC.
- **08/2007-Present** National Project Coordinator/Preparation of Standard Reference Materials SRMs, Arab Atomic Energy Agency, within Arab collaboration projects 2007-2008.

PUBLICATIONS

- [1] **Mufeed I. Batarseh, 2011.** Polynuclear Aromatic Hydrocarbons (PAH) and heavy metals in dry and wet sludge from As-Samra wastewater treatment plant, Jordan. *Soil & Sediment Contamination*, in press.
- [2] **Mufeed I. Batarseh**, Aiman Rawajfeh, Kalavrouziotis K. Ioannis, Koukoulakis H. Prodromos, **2010.** Treated Municipal Wastewater Irrigation Impact on Olive Trees (*Olea Europaea L.*) at Al-Tafilah, Jordan. *Water Air Soil Pollution* 211 (1),
- [3] Farah Al Nasir, **Mufeed Batarseh**, Adel H. Abdel-Ghani, Anwar Jiries, 2010. Free Amino Acids Content in some Halophytes under Salinity Stress in Arid Environment, Jordan, 2010. *CLEAN-Soil Air Water*, in press.
- [4] Mohammad S. Abu-Darwish, Ziad H. Abu Dieyeh, **Batarseh Mufeed**, Abdel Rahman M. Al-Tawaha, Sati Yassin Ahmed Al-dalain, 2009. Trace element contents and essential oil yields from wild thyme plant (*Thymus serpyllum L.*) grown at different natural variable environments, Jordan. *Journal of Food, Agriculture & Environment* Vol.7 (3&4): 920-924.
- [5] **Mufeed Batarseh** and Tayel El-Hasan, 2009. Toxic Element Levels in the Phosphate Deposits of Central Jordan. *Soil & Sediment Contamination* 18(2), 205 – 215.
- [6] Farah Al Nasir and **Mufeed I. Batarseh, 2008.** Agricultural reuse of reclaimed water and uptake of organic compounds: Pilot study at Mutah

- University wastewater treatment plant, Jordan. *Chemosphere* 72 (8), p.1203-1214.
- [7] **Batarseh, M.**, Ziadat, A., Alawi, M., Berdanier, B. and Jiries, A. 2008. The use of cypress tree bark as an environmental indicator of heavy metals deposition in Fuheis City, Jordan. *International J. of Environment and Pollution* 33 (3/4), 207-217.
- [8] Anwar G. Jiries , **Mufeed I. Batarseh** , Tayel El-Hassen, Anf H. Ziadat, Farah Al- Nasir, Bruce W. Berdanier , 2008. Lichens (*Rhizocarpon geographicum* (L.) DC) a Biomonitor for Atmospheric Pollution in Amman City, Jordan. *Environmental Bioindicators* 3, 106-113.
- [9] *Tayel El-Hasen*, Zaid A. Al-Anber, Mohammad Al-Anmber, **Mufeed Batarseh**, Farah Al-Naser, Anf Ziadat, Yoshiki Kato and Anwar Jiries, 2008. Removal of Zn, Cu and Ni⁺² ions from aqueous solution via Tripoli: Simple component with single phase model. *Current World Environment* 3(1), 1-14.
- [10] Muayad M. Abboud, Khaled M. Khleifat, **Mufeed Batarseh**, Khaled A. Tarawneh, Ahmed Al-Mustafa, Maali Al-Madadhah, 2007. Different optimization conditions required for enhancing the biodegradation of linear alkylbenzenesulfonate and sodium dodecyl sulfate surfactants by novel consortium of *Acinetobacter calcoaceticus* and *Pantoea agglomerans*. *Enzyme and Microbial Technology* 41, 432-439.
- [11] *Al-Alawi, M., Batarseh, M., Carreras, H., Alawi, M., Jiries, A., Charlesworth, S.*, 2007. Aleppo Pine Bark as a Biomonitor of Atmospheric Pollution in an Arid Environment, Jordan. *Clean- Soil Air Water* 35(5), 438-443
- [12] *Kreuzig, R., Hölltig, S., Stein, F. and Batarseh, M.*, 2007. Zum Rückstandsverhalten von Veterinärpharmaka in Gülle und Boden – Eine Herausforderung für Labortestsysteme. *Münchener Beiträge zur Abwasser-, Fischerei- und Flussbiologie* (Oldenburg-Verlag; in Druck).
- [13] **Batarseh M. I.**, 2006. Fate of Linear Alkylbenzene Sulfonates in Wastewater Treatment Plants, Jordan. *Fresenius Environmental Bulletin* 15(5), 431-436.
- [14] **Batarseh M. I.**, 2006. The Potable Water Quality Types in Jordan. *Environmental Monitoring and Assessment* 117: 235–244.
- [15] *Tayel El-Hasan, Mufeed Batarseh, Hamzeh Al-Omari, Anf Ziadat, Abdullah El-Alali, Farah Al-Naser, Bruce W. Berdanier and Anwar Jiries*, 2006. The Distribution of Heavy Metals in Urban Street Dusts of Karak City, Jordan. *Soil & Sediment Contamination*,15:1–9,2006.
- [16] *Anf H. Ziadat, Mufeed I. Batarseh, Tayel El-Hasan, Bruce W. Berdanier, Anwar Jiries*, 2006. Chemical and Mineralogical Characteristics of Dry Deposition in the Surrounding of a Cement Factory in Jordan. *Environmental Forensics*, Vol. 7, 1-6.
- [17] *Jiries, A., Rimawi, O., Lintelmann, J. and Batarseh, M.* 2005, Polycyclic Aromatic Hydrocarbons (PAH) in Top Soil, Leachate and Groundwater from Ruseifa Solid Waste Landfill, Jordan. *International J. of Environment and Pollution* 23(2), 179-188.
- [18] *Abo-El-Seoud, M., El-Motaium, R.A., Batarseh, M., and Kreuzig, R.*, 2004. Impact of Gamma Radiation on the Degradability of Polynuclear Aromatic Hydrocarbons in Egyptian Sewage Sludge. *Fresenius Environmental Bulletin*, 13 (1), 52-55.
- [19] **Batarseh, M.**, *Kreuzig, R., Bahadir, M.*, 2003. Residue Analysis of Organic Pollutants in Sediments from the Amman/Zarqa Area in Jordan. Part I: Development of analytical method and distribution Pattern of PAHs. *Fresenius Environmental Bulletin* 12(9), 972-978.
- [20] **Batarseh, M.**, *Kreuzig, R., Al-Nasir, F., Bahadir, M.*, 2003. Residue Analysis of Organic Pollutants in Sediments from the Amman/Zarqa Area in Jordan.

- Part II: Organochlorine Compounds. Fresenius Environmental Bulletin 12(9), 979-983.
- [21] *Salameh, E., Alawi, M., Batarseh, M. I., Jiries, A., 2002.* Determination of Trihalomethanes and the ionic composition of groundwater at Amman City, Jordan. *Hydrology Journal* 10, 332-339.
- [22] *Al Nasir, F. M., Jiries, A. G., Bataresh, M. I., Beese, F., 2001.* Pesticides and trace metals residue in grape and home made wine in Jordan. *Environmental Monitoring and Assessment* 66, 253-263.
- [23] *Jaradat, Q., Momani, K., Jiries, A., Al-Alali, A., Batarseh, M. I., Sabri, T., Al-Momani, I., 1999.* Chemical composition of urban wet deposition in Amman, Jordan. *Water, Air and Soil Pollution* 112, 55-65.
- [24] **Ph.D dissertation:** Residue Analysis of Organic Pollutants in Sediments from Amman-Zarqa Area in Jordan, 2003, Institute of Ecological Chemistry and Waste Analysis/Technical University of Braunschweig, Germany.
http://bib1ip1.rz.tu-bs.de/docportal/servlets/MCRFileNodeServlet/DocPortal_derivate_00001446/Document.pdf?hosts=local
- [25] **M.Sc. thesis:** Environmental Impact Assessment of the Rehabilitation of the Leaky Drinking Water Network on the Groundwater Resources in Amman Area using Trihalomethanes (THMs), 1999, Faculty of Science/University of Jordan.

Memberships and Committees

- DAAD scholarships pre-selection commission 2010
- Scientific Committees for several workshops and conferences
- Jordanian Chemical Society.
- Royal Society for the Conservation of Nature (RSCN).
- Jordanian German Society.
- Jordanian Society for Environment.

Consultations

Short and long term consultation has been given in the filed of water and wastewater management, waste disposal, management and analysis to the following institution:

- Royal Scientific Society RSS
- Ministry of Environment MoE
- Private Sector (cement factories, detergent industries, power generation companies, and others)

Specific consultation related to environmental laboratories

| SERVICES PERFORMED | EMPLOYER'S NAME AND ADDRESS POINT OF CONTACT & TELEPHONE # | Dates of Employment | |
|--|---|---------------------|-----------|
| | | From | To |
| Polychlorinated biphenyls (PCBs) management and analysis in cement factory by-products | NUMELAB s.a.r.l., LE 457 New Naccache, P.O.Box 70-410 Antelias, LEBANON, Tel: + 961 1 39 66 77, Fax:+ 961 1 39 66 88, HOLCIM cement Factory, Beirut-Lebanon | 8/3/2009 | 12/3/2009 |
| Polynuclear aromatic hydrocarbons (PAHs) analysis in environmental samples | Ben Hayyan Laboratories, ASEZA Aqaba-Jordan | 27/1/2008 | 30/1/2008 |
| PCBs analysis in transformers oil | Ministry of Environment | 5/10/2006 | 5/10/2006 |

EVIDANCE OF IMPACT

International Scientific Journals Referee

- Journal of Agricultural and Food Chemistry, **American Chemical Society**, USA.
- Fresenius Environmental Bulletin, **PSP-Parlar Scientific Publications**, Germany.
- CLAEN-Soil, Air, Water (Journal of Sustainability and Environmental Safety), **Wiley-VCH**, Germany.

Invited Speaker

- NATO workshop, Advanced water supply and wastewater treatment: a road to safer society and environment, 19- 22.05. 2010, Lviv, Ukraine.
- Federal Agriculture Research Center, Institute of Plant Nutrition and Soil Science. Wastewater and Sewage Sludge Reuse in Jordan. Institute Collogue August 2006, **Germany**.
- Jordan-German Experts Workshop on Water and Waste. German Academic Exchange Services (DAAD), Fachhochschule Lippe und Höxter/University of Applied Sciences, Yarmouk University, Sept. 10-13, 2006, **Irbid-Jordan**.
- Institute of Environmental Chemistry and Waste Analysis/Technical University of Braunschweig, **Germany**. Institute Collogue, 2001, 2002, 2003 and 2006.
- International Workshop on Biosolid Use in Agriculture. Biosolids Use in Agriculture. TREATMENT SOLUTIONS AND OUTLOOK: Philosophy and Technology. Australian Environmental Agency and United States Environmental Protection Agency (**US EPA**). 7-11 April 2005, **Sydney-Australia**.
- Invited speaker in several workshops and conferences. Core issue: Persistence Organic Pollutant POPs in the environment, **Jordan**.

Newspaper and magazine

- Braunschweiger Deklaration zur Wasserproblematik in den Ländern des Nahen und Mittleren Osten. **Mensch Und Wasser**, Nov. 2002, Germany.

Individual Skills

I have a wide ability to work with different instruments and to develop the analytical procedures in the fields of environmental chemical analysis using chromatographic techniques: such as the different application of Gas Chromatography (GC/MS, GC/ECD, GC/FID, GC/TCD, etc.), different applications of High Performance Liquid Chromatography (HPLC/MS, HPLC/UV-VIS, HPLC/Flu., etc.), Ion chromatography (IC), and Gel Permeation Chromatography (GPC).

In addition, working with spectrophotometric techniques is a part of my work in order to develop the analytical procedures, application such as Inductive Coupled Plasma Mass Spectrometry (ICP/MS), Atomic Absorption (AAs) coupled either with Graphite Furnace (AA-GF) or Hydride Generator (AA-HG) techniques, TOC analyzer, FT-IR and spectrophotometers.

Current projects

- **NATO, Partner Project Director (PPD), Tranboundary Water Governance and Environmental Security of the lower Jordan River, 2010.** In collaboration with Water Resources Management Division, Department of Environment and Conservation Govt of Newfoundland And Labrador, **Canada.**
- **Pesticides Residues in some Medicinal Plants and their Products,** Jordan. Principle Investigator, Prince Faisal Center for Dead Sea Environmental and Energy Research and Ministry of Agriculture, 9/2009-9/2011.
- **Exceed, Excellence Through Dialogue-Sustainable Water Management in developing countries,** funded by German Federal Ministry for Economic Cooperation and Development (**BMZ**) and German Academic Exchange Services (**DAAD**), **Implementation period 07/2009-2014.**
- **Dialogue Through Scientific Co-operation: Wastewater Reuse and Soil Amendments in Jordanian Agriculture,** joint venture project between Mutah University and the Technical University of Braunschweig/Germany, funded by German Academic Exchange Services (**DAAD**), 2009-2011.
- **NOP Nachhaltigkeit Organische Chemie Praktikum.** *Arabian version of the NOP (Neues Organisches Praktikum; new organic teaching lab) Internet pages.* Mutah University in collaboration with TU-Braunschweig,
- **Dead Sea Red Sea Water mixing project,** joint venture project between Prince Faisal Center for Dead Sea, Environmental and Energy Research and Arab Potash Company APC, 2007-2009.
- **Integrated Graywater Management Policies for Large Water Consumers in Vulnerable Communities in Jordan,** project period 2006-2008., Canadian International Development Research Center (**IDRC**) and Royal Scientific Society (**RSS**).
- **National Project Coordinator,** Preparation of Standard Reference Materials SRMs. Joint project: Mutah University, Arab Atomic Energy Agency and Jordanian Atomic Energy Commission, within Arab collaboration projects 2007-2008.
- **Several projects funded by Higher Council for Science and Technology (HCST), Amman-Jordan.**

AWARDS AND GRANTS

- BMZ and DAAD, Germany. Exceed, Excellence Through Dialogue-Sustainable Water Management in developing countries.
- Scientific Research Support Fund, Ministry of Higher Education and Research, 2009-2011.
- Dead Sea Red Sea Water mixing project, joint venture project between Prince Faisal Center for Dead Sea, Environmental and Energy Research and Arab Potash Company APC, 2007-2009.
- Grant 120,000 C\$, Canadian International Development Research Center (IDRC) and Royal Scientific Society (RSS). Integrated Graywater Management Policies for Large Water Consumers in Vulnerable Communities in Jordan, project period 2006-2008.

- Grant 10,000 EURO, Workplace Equipment Subsidies for Experts from Developing Countries, World University Services (WUS), APA-Programme Services, Deutsches Komitee e.V. Goebenstraße 35, 65195 Wiesbaden, Deutschland, 2006.
- Grant amount 3,500 JD, Evaluation of Cephalosporin (Cefaclor and cefadroxil) Oral Suspension Stability in the Jordanian Market, Mutah University/Jordan, 2006-2008,
- Grant amount 3,500 JD, Antifungal and Antioxidant Effect of Some Plant Extracts Selected From South Jordan, Mutah University/Jordan, 2006-2008.
- Postdoctoral Scholarship summer 2006 at Institute of Ecological Chemistry and Waste Analysis/Technical University of Braunschweig, KAAD and Technical University of Braunschweig.
- DAAD fellowship, Fate and behaviour of veterinary pharmaceutical residues in soils using ¹⁴C-Labeled Compounds, Mutah University and Institute of Ecological Chemistry and Waste Analysis/Technical University of Braunschweig, Germany, 2006-present.
- Ph.D scholarship 2000-2003, KAAD, Bonn-Germany.
- Ministry of Higher Education/Jordan, Bachelor degree scholarship from Kuwait University 1986-1990, then continued at Yarmouk University after Golf-War, Jordan 1991-1993.
- Ministry of Higher Education, B.Sc. scholarship, Kuwait University (1986-1990).

TEACHING EXPERIENCE AND STUDENTS SUPERVISION

Courses

- 2003-Present Instrumental Analysis, Bio-Instrumental Analysis and methods of Separation (Chromatography) courses taught several times for graduated students.
- 2003- Environmental Chemistry course
- 2003- Atmospheric Pollution and Industrial Pollution (Special Topics)
- 1994-1999 Practical courses offered by the chemistry department at Mutah university including the following courses: Analytical Chemistry and Instrumental Analytical Chemistry laboratories, and General Chemistry laboratories.

Graduate Student Supervision

- PhD thesis, Impact of Soil Amended Superabsorbent Polymers on the Efficiency of Irrigation Measures in Jordanian Agriculture, Institute of Ecological Chemistry and Waste Analysis, Technical University of Braunschweig, Germany, 2009-2012.
- PhD, thesis, Preparation of Jordanian Oil Shale Standard Reference Material. University of Jordan. 2008-2010.
- M.Sc. thesis, Wastewater and Sludge Quality in Industrial Estates, Jordan. Partner: Chemistry Department/Mutah University, 2006.
- M.Sc. thesis, Up Take of Chromium by Different Bacterial Strains Isolated from Wastewater Irrigated Soil. Partner: Biology Department/Mutah University, 2005.

- M.Sc. thesis, Evaluation of Cefaclor and cefadroxil Oral Suspension Stability in the Jordanian Market. Partner: Biology Department/Mutah University, 2006.
- Examination committee of master students in chemistry, Chemistry Department/University of Jordan (several times).
- Examination committee of master student in biology, Mutah University (five times).
- Examination committee of master students in chemistry, Chemistry Department/Mutah University.

TRAINING COURSES

- **International Training Crouse on Biosolid Characterization and Use in Agriculture, Arizona University, Royal Scientific Society, Amman-Jordan, August 2007.**
- **International Training Crouse on Biosolid Use in Agriculture, United States Environmental Protection Agency (US EPA) and United States Department of Agriculture (USDA), Australia, Sydney, 2005.**
- **ISO 17025: Quality Infrastructure-Accreditation & Conformity Assessment Bodies-Concepts & Requirements. Jordanian United States Business Project (JUSBP), Jordanian Institution for Standards & Metrology (JISM), Amman 5-9 December 2004.**
- **Gas Chromatography and Mass Spectrometry (GC-GCMS) User Training Course: Fundamentals, Application and Instrumentation. PerkinElmer, Monza/Milan, Italy 15-19 Nov. 2004.**
- **ICDL: International Computer Driving License, UNCEF, 2004.**
- **MUCDL: Mutah University Computer Driving License, Mutah University, 2004.**

TRAINING COURSES AS TRAINER

- Chemical Analysis an advance short course taught several times at Mutah University.
- Water and Wastewater Characterization, Short Course, 2010.
- Analysis of Polychlorinated Biphenyls (PCBs) in Industrial Oils, HOLCIM Cement Industry, Beirut-Lebanon, 8-12 May 2009.
- Training course: Environmental Impact Assessment **EIA**. Prince Faisal Center for Dead Sea, Environment and Energy/Mutah University, 6-9/1/2008.
- Training course: Chromatography Applications (GC/MS, HPLC and IC). Faculty Development Center, Mutah University, 4-21/11/2007.
- Advance Application of Chromatography: GC/MS, HPLC and IC. Prince Faisal Center for Dead Sea, Environment and Energy/Mutah University, 2006-2008 (several times).
- Application of Ion Chromatography in Water Analysis. Water and Environment Research Center/Mutah University, May 2006.
- Spectrophotometric Applications for Nuclear Energy Laboratory. Ministry of Industry and Trades, 1998.
- Several instrumental training courses have been given since 1994 for employee including the following instrumentation techniques: AAs, AAs-GF, Flame photometry, Ion Chromatography, HPLC, GC/FID/ECD, Spectrophotometry, Calorimetry and FT-IR, Chemistry Department / Muath University.

- Several Training courses carried out at Muath University and out side the university campus on Water and Environmental chemical analysis, including: sampling, water-soil-plant testing, impact evaluation, 2005-present.

CONFERENCES AND WORKSHOPS

- [1] Pesticides Residues in some Medicinal Plants and their Products, Jordan: Oral Presentation. The 2nd International Symposium on Medicinal Plants, Petra-Jordan, 3-4 November 2010.
- [2] Oral Presentation: Sustainable Use of Wastewater and Sludge in Jordan; Residues of Persistent Organic Pollutants POPs. International Sustainable Water and Wastewater Management Symposium". "USAYS", 26-28 October 2010 – Konya/Turkey.
- [3] Eurasia Conference on Chemical Sciences-11 6-10 October 2010, The Dead Sea – Jordan. Oral Presentation: Organic Pollutants in Wastewater and Sludge in Jordan.
- [4] A SUSTAINABLE RESOURCE FOR ENERGY & CHEMICAL FEEDSTOCK PRODUCTION, Braunschweig, Germany, 27th June 4th July 2010.
- [5] Exceed-DAAD Workshop, Sustainable Water Management, 13-17 June 2010, Hanoi-Vietnam.
- [6] Invited speaker: NATO workshop, Advanced water supply and wastewater treatment: a road to safer society and environment, 19- 22.05. 2010, Lviv, Ukraine.
- [7] Invited Speaker: Occurrence of Persistent Organic Pollutants POPs in Wastewater and Sewage Sludge in Jordan: Accumulation and Up-take Case Studies International Workshop on Water, Wastewater and Environment, Technical University of Braunschweig, Germany, DAAD and BMZ, 26/10-4/11/2009.
- [8] **UNESCO** World Conference on Education for Sustainable Development, Bonn, Germany, 31/3-4/4/2009.
- [9] **Summer School** "Sustainability in the organic chemistry lab course", Technical University of Braunschweig, Germany, 23-30/3/2009.
- [10] Invited Speaker: Preparation of Standard Reference Materials from Jordanian Oil Shale and Phosphate Ores. The International Conference on Materials in Jordan, German-Jordanian University, Amman-Jordan, 4-6 March 2009.
- [11] The Role of Ecological Chemistry in Environmental Pollution and Sustainable Development. Chemical Composition of Urban Street Dusts in Jordan. Chisinau, Moldavia, 8-12/10/2008.
- [12] 4th Jordanian Conference for Environment, Mutah University, Karak-Jordan, 26-27 November 2007.
- [13] DAAD International Workshop: Availability and Quality Management of Water in the MENA Region. Deutscher Akademischer Austausch Dienst DAAD, Technical University of Munich and Jordan University of Science and technology JUST, Irbid / Jordan 18th – 20th November 2007.
- [14] Jordan-German Experts Workshop on Water and Waste. German Academic Exchange Services (DAAD), Fachhochschule Lippe und Höxter/University of Applied Sciences, Yarmouk University, Sept. 10-13, 2006, Irbid-Jordan.
- [15] Developing Research Capacity Workshop. The Regional Demand Initiative, WaDI-mena, International Developing Research Center (IDRC) and Canadian

- International Development Agency (CIDA). January 22nd to 28th, Amman, Jordan.
- [16] The Second International Water Reuse Conference, June 6-9 2005, Amman-Jordan.
- [17] International Workshop on Biosolid Use in Agriculture, 7-11 April 2005, Sydney-Australia.
- [18] The Role of Universities in the Dialogue of Cultures and Religions, 4-8 November 2004, Beirut-Lebanon,.
- [19] Second Environmental Symposium of German-Arabic Society for Environmental Studies. "Water Resources and Environmental Protection in the Middle East and North Africa", 4-5 October 2004, Amman, Jordan.
- [20] Persistence Organic Pollutants (POPs) in Jordan workshop, Ministry of Environment, 27 May 2004, Amman, Jordan.
- [21] GCDH Tagung: Jahrestagung 2002 Umweltchemie und Ökotoxikologie, The Society of Environmental Toxicology and Chemistry, BBA Braunschweig; 6-9 October 2002, Germany.
- [22] "Dialog der Kulturen" - Technologietransfer in den Nahen Osten am Beispiel Wasser. (Cultural Dialog, the Technology Transfer in the Middle East: Water as example). International workshop, 22-31 October 2002, Technical University of Braunschweig, Germany.
- [23] "Jahr der Chemie 2002". German Chemical Society (GCDH), 20-22 June 2002, Technical University of Braunschweig, Germany.
- [24] The Second Jordanian Chemical Conference. Mutah University, Al-Karak, Jordan 1999.

RESEACH INTERESTS

- Fate and behavior of persistent organic pollutants POPs in the environment including the following: polychlorinated biphenyls (PCBs), polychlorinated phenols (PCPs), chlorinated pesticides (CPs), polychlorinated dioxins and furans (PCCD/F), and polynuclear aromatic hydrocarbons (PAH).
- Development of instrumental analytical methods for different environmental sample matrices including the following: residue analysis of semivolatile organic pollutants. Developing an analytical method for separation, clean up and quantification of polynuclear aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCBs), chlorinated benzenes (CBz) and chlorinated organic pesticides (COPs) in sediments and wastewater samples. I have used different chromatographic techniques such as GPC, GC/MS and GC/ECD/FID. In addition to the subject of my Ph.D dissertation, I have got a good experience to analysis the pharmaceuticals and to study their behavior using radioactive tracers and HPLC/MS-UV.
- Fate and behavior of pharmaceuticals residues and veterinary medical substances in the environment using radioactive traces (¹⁴C).
- Conducting an intensive investigation concerning the quality of the wastewater effluents, sludge, sediments, plants irrigated with wastewater and impacts on soil physiochemical properties.

Referees

- [1] Prof. Dr. Dr. Bahadir, Head of Institute of Ecological Chemistry and Waste Analysis, Technical University of Braunschweig, Hagenring 30, D-38106

Braunschweig, Germany. E-mail m.Bahadir@tu-bs.de. Tel: +49 531 3915961, Fax: +49 531 3915799.

- [2] Prof. Dr. Abdelaziz Khlaifat, Senior Reservoir Engineer (Modeling & Simulation) Well Engineering Centre of Excellence – WECO **Weatherford Oil Tool Middle East Ltd**, Dubai,| UAE,| P.O. Box 4627, office: +971 4 312 5473, Fax: +971 4 340 6506,| Mobile: +971 507 586386. abdelaziz.khlaifat@me.weatherford.com | www.weatherford.com
- [3] Prof. Anwar Jiries, Mutah University, Karak Jordan. Tel: 0796701070, Email: Jiries57@hotmail.com; Jiries@mutah.edu.jo.
- [4] Prof. Dr. Mahmmoud Alawi, Department of Chemistry, University of Jordan, 11942 Amman, Jordan. E-mail: alawima@sci.ju.edu.jo

Contact

Dr. Mufeed Batarseh
Mutah University
Price Faisal Center for Dead Sea, Environment and Energy Research
P. O. Box 3, 61710 Karak, Jordan

Batarseh@mutah.edu.jo, Batarseh_m@hotmail.com

Off.: +962 32372380 Ext. 4945 Fax: +962 3 2397169
Mobile: +962 777 215540 Home +962 32381056

Signature

Date