

MUNJED M. AL-SHARIF



Work Address

Water and Environment Engineering
German Jordanian University
Office Tel No. **+962 429 4444 ext. 4202**

Mobile: (+962) 799 8 1515 8

munjed.alsharif@giu.edu.jo

PERSONAL INFORMATION

Date of Birth: June, 1961.

EDUCATION

Doctor of Philosophy in **Water Resources and Environmental Engineering**, Kansas State University, Manhattan, KS, USA, 1993.

Dissertation "Development of a Basin Scale Model for a hydraulically Connected Surface Water - Ground Water System".

Master of Science in **Civil Engineering**, Jordan University of Science and Technology, Irbid, Jordan, 1989.

Research: "Control of Swelling of Some Selected Irbid Soils".

Bachelor of Science in Civil Engineering, Yarmouk University, Irbid, Jordan, 1984.

PRACTICAL EXPERIENCE

Certified Lead Environmental Assessor, since 1999
 Member, Executive Board, Jordan Cleaner Production Program (JCPP).
 Member, Middle region medical and hazardous waste management project technical Committee.
 Member, National Committee for EIA.
 Member, King Abdullah Excellence Award_Water efficiency component
 Head, ECO resident Design Award for University Student
 Member, Water demand management BMP Task force_USAID_DAI_WDM project in Jordan.
 Member, Fluoride addition to Drinking water committee_Ministry of Health
 Head, JUST Incinerators management team.
 Head, JUST Environmental management team.
 Member, JUST safety team.

PUBLICATIONS

Refereed Journal Publications

- Omer S. Mughieda, and **Munjed Al-Sharif**, “Suitability of Irbid Clay as Compacted Liners for Landfill, Jordan” International Journal of Geosciences, 2013, 4, 1509-1512, Published Online December 2013 (<http://www.scirp.org/journal/ijg>), <http://dx.doi.org/10.4236/ijg.2013.410148> Open Access IJG.
- **Munjed Al-Sharif**, and M. Attom, “A Geoenvironmental Application of Burned Wastewater Sludge Ash in Soil Stabilization ”, Environmental Earth Sciences, 3-2014.
- Abu-Ashour, J and **Munjed Al-Sharif**, “An Investigation of the Linkage between Minimum Household Water Requirement and Health in the Greater Irbid Area”, Jordan Journal of Civil Engineering, Volume 4, No. 1, (2010)
- Nassim Al-Abed, and **Munjed Al-Sharif** "Hydrological Modeling of Zarqa River Basin - Jordan Using the Hydrological Simulation Program - FORTRAN (HSPF) Model" Water Resources Management, (2009).
- Halalsheh, M., Dalahmeh, S., Sayyed, M., Suleiman, W., **Shareef, M.**, Mansour, M., Safi, M. (2008). Grey water characteristics and treatment options for rural areas in Jordan. *Bioresource Technology* 99, 6635-6641.
- **Munjed Al-Sharif**, J. Abu Ashour, A. Abulaban, and S. Al-Shar'a, (2007), Effect of Soil-Water Separation Technique on the Estimation of Bacterial Adsorption onto Soil, Jordan Journal of Civil Engineering, Vol.(1), No. 2. pp. 295-302.
- Abu-Zreig, Majed, **Al-Sharif, Munjed** and Amayreh, Jumah, (2007) 'Erosion Control of Arid Land in Jordan with Two Anionic Polyacrylamides', Arid Land Research and Management, 21:4, 315 - 328
- Bdour A., Altrabsheh B., Hadadin N., and **Al-Sharif. M.** (2007). Assessment of Medical Wastes Management Practice: A Case Study of the Northern Part of Jordan. Journal of Waste Management. Vol. 27, 746-759.
- Zeatoun L, **Munjed Al-Sharif**, and Al-Bsoul, A., Investigation of Titania Addition into Tar Sands for Removal of Phenol from Aqueous Solutions, *Water Qual. Res. J. Canada, 2006 • Volume 41, No. 1, 94–99.*

- Awad, A., Obeidat, M., and **Munjed Al-Sharif**, *Mathematical – Statistical Models of Generated Hazardous Hospital Solid Waste*, J. of Environmental Science and Health, Vol. A39. No. 2, pp. 315-327, 2004.
- Attom, Mousa F., **Al-Sharif, Munjed, M.**, (1998): "Soil stabilization with burned olive waste", *Applied Clay Science*, Vol. 13, Elsevier, Netherlands.
- Hamed, M, Al-Eideh B., and **Munjed Al-Sharif**, Traffic Accidents under the effect of the Gulf crises, *Safety Science*, Vol, 33, 1999, 56-68.
- Basma, A., **Munjed Al-Sharif** "Treatment of expansive soils to control Swelling", , *Geotechnical Journal of Southeast Asia Geotechnical Society*, Dec. 1993.

Refereed Conference papers

- M. Albanna, **Munjed. Al-Sharif** & T. Nesheiwat , “Financial Opportunities in Solid Waste Biomass Treatment in the Dead Sea”, Global Conference on renewables and energy efficiency for desert regions, University of Jordan, Amman, 2013.
- **Munjed Al-Sharif**, "Risk assessment for deriving minimum household water security requirements for health", Regional Consultation on Health and Environment Linkages Initiative (HELI) and children's Environmental Health Indicators (CEHI), Amman, Jordan, 28-31 March 2005.
- **Al-Sharif, Munjed**, "Efficiency of a Subsurface Constructed Wetland in the Treatment Of Grey Water" International Engineering Conference (IEC) "Mutah 2004", Mutah University, Jordan, April 26-28.
- **Al-Sharif, Munjed**, "Seasonal Water Quality Modeling of King Talal Reservoir" International Engineering Conference (IEC) "Mutah 2004", Mutah University, Jordan, April 26-28.
- **Al-Sharif, Munjed**, and Musa Attom, The Use of Burned Sludge as a New Soil Stabilizing Agent, Proceedings of the Environmental and Pipeline Engineering conference, ASCE, Kansas City, Missouri, USA, 2000.
- Reinhart, D., Chopra, M., Abu El-Sha'r, and **Munjed Al-Sharif** , US – Jordan Municipal Solid waste Management Collaborative Research, A Report to the National Science Foundation, Washington, USA, 2002
- Reinhart, D., Chopra, M., Abu El-Sha'r, and **Munjed Al-Sharif**, US – Jordan Hazardous waste Management Collaborative Research, A Report to the National Science Foundation, Washington, USA, 2003
- **Munjed Al-Sharif**, Role of Universities in Promoting Appropriate Wastewater Treatment Technologies for Small Communities, TE Consultation on Appropriate and Innovative Wastewater Management in Small Communities in EMR Countries, Amman – Jordan. (6 - 9 November 2000)
- **Munjed Al-Sharif**, Environmental Legislation in Jordan, and others, Seminar on Environmental policy coordination in Jordan, Amman, 2001

- Abu-El-Sha’r, W. Y., **Munjed Al-Sharif** , M. Al-Sheriadeh, and T. Al-Suleiman, “Position Paper for Jordan” , Regional Seminar on the Environment in the Middle East: Education, Research Needs and Prospects for Cooperation, JUST, April, 28 - May 1, 1994, Irbid – Jordan.
- **Munjed Al-Sharif**, J. Tracy, and J. Koelliker, "Managing Water Rights", , Proceeding of the 10th Annual Water and the Future of Kansas Conference, Manhattan, KS, USA, March, 1993.
- J. Tracy and **Munjed Al-Sharif**, "Scheduling of Ground Water pumpage in Alluvial Aquifers to minimize the impact on Surface water Diversions", Proceedings of the Water Resources Sessions of the Water Forum, Baltimore, Maryland. Aug. 1992.

BOOKS

1. Assessment of Direct and indirect Impacts of Climate change Scenarios on water resources of the Zarqa river basin, March 2013, A Publication of the United Nations Country Team Joint Program on Climate change adaptaion in Jordan, **Munjed Al-Sharif** is the Chief technical Advisor of the Publication.
2. Assessment of Direct and indirect Impacts of Climate change Scenarios (socio economical study) on the Zarqa River basin, A Publication of the United Nations Country Team Joint Program on Climate change adaptaion in Jordan, **Munjed Al-Sharif** is the Chief technical Advisor of the Publication.
3. Development of Policy options for adaptation to climate change and IWRM in the ZRB, A Publication of the United Nations Country Team Joint Program on Climate change adaptaion in Jordan, **Munjed Al-Sharif** is the Chief technical Advisor of the Publication.
4. Identification and prioritization of appropriate adaptation measures in the ZRB, A Publication of the United Nations Country Team Joint Program on Climate change adaptaion in Jordan, **Munjed Al-Sharif** is the Chief technical Advisor of the Publication.
5. Identification of opportunities and barriers of climate change adaptation intervention in the ZRB, A Publication of the United Nations Country Team Joint Program on Climate change adaptaion in Jordan, **Munjed Al-Sharif** is the Chief technical Advisor of the Publication.
6. Guidelines on Sanitation for Small Communities, Appropriate Technologies for Use by Middle-level Technicians in Countries of the Eastern Mediterranean Region of the World Health Organization. Translated from English to Arabic By Munjed Al-Sharif (Amman, 1997).
7. Training Module for Operators of Wastewater Treatment Plants, edited for WHO-CEHA office in Arabic By Munjed Al-Sharif, (1999).
8. Water rights and conflict resolution, In Arabic, with Dr. Y. Marai from Damascus Syris, as part of the project Integrated Water Resources Management, 2006
9. Water Resources Assessment, In Arabic, with five others from Damascus Syris and JUST, Jordan, as part of the project Integrated Water Resources Management, 2006

MANUALS

Innovative and Low Cost Wastewater Management Options for Small Communities, Developed in English for WHO – CEHA office by Munjed Al-Sharif, (2000).

RESEARCH INTEREST AND ACTIVITIES

1. **Water allocation Modeling.**
2. **Reservoir management Modeling**
3. **Prediction and Assessment of Environmental impacts on the Surface water and Ground water Environment.** Quantity and quality considerations, legislation's, and methodology.
4. **Climate Change impacts on Water Resources and Climate change adaptation managementn**
5. **Decentralized Wastewater Management,** Innovative wastewater Management options for Small Communities
6. **Environmental Management Systems; Development, Implementation, and Auditing against local, international, and ISO 14001 standards**