

Abbas Al-Omari



Contact

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Summary

Dr. Al – Omari is a senior researcher at the Water, Energy and Environment Center of the University of Jordan. He received Ph.D. degree from Washington State University in May of 1999 in Civil and Environmental Engineering. His Ph.D. dissertation is in inverse chlorine modeling in municipal water supplies. He earned his master’s degree in 1994 in Civil and Environmental Engineering from the Middle East Technical University in Ankara-Turkey. His master’s thesis is about evaluating different sludge drying alternatives on the bases of their performance and cost. Dr. Al -Omari’s research interests are in drinking water quality modeling in water distribution systems such as modeling the propagation and the decay of constituents found in drinking water supplies i.e. chlorine and trihalomethanes, river basin modeling (flow and quality), water energy nexus, water, energy food nexus, water allocation, Non Revenue Water, and water resources management.

Current Position

Senior researcher at the Water Energy and Environment Center of the University of Jordan,

Experience related to Water/Energy Nexus

Supervised master’s thesis

Application of Hydro Turbines in Water Supply Systems for Energy Recovery in Jordan; A Case Study of Aqaba Water Supply System, by Abdalla Khair, 2013,

Workshops

Al-Omari, A. ENERGY FOR WATER IN JORDAN’S WATER SECTOR, proceedings of the Regional workshop on: Water-Energy-Food Nexus in MEANA region, 11-17, November, 2018, Aswan, Egypt.

Challenges to the water sector in Jordan, presented at the German-Arab Knowledge Transfer Colloquium on Water-Energy-Food Nexus. (26/11 – 8/12), 2017, Duisburg-Germany.

Water, Energy Food Nexus Workshop on Integrated Science, Engineering and Policy: A Multi Stakeholder Dialogue, January 26 - 27, 2017, College Station, TX, United States.

Aug. 2016 - June 2017: Visiting Fulbright scholar at Texas A&M University working on water, energy food nexus,

Education

Bachelor of Science in Civil Engineering from Yarmouk University, Amman, Jordan, January, 1985.

Master of Science in Civil Engineering from the Middle East Technical University, Ankara, Turkey, January, 1994.

Doctor of Philosophy in Civil and Environmental Engineering, Washington State University, Pullman, USA, 1999.

Certifications
