

## Publications

- **Al-Omari, A., Muhammetoglu, A., Karadirek, E., Jiries, A., Batarseh, M., Topkaya, B., and Soyupak, S.** (2014). "A review on formation and decay kinetics of trihalomethanes in waters of different qualities". **Published online in CLEAN- Air, Soil, Water, DOI: 10.1002/clen.201300347.**
- **Al-Omari, A., Salman, A., Al-Karablieh, E.** (2014). "The red dead canal project: an adaptation option to climate change in Jordan". *Desalination and Water Treatment*, 52: 2833–2840. DOI: 10.1080/19443994.2013.819168.
- **Al-Houri, Z., Al-Omari, A., Saleh, O.** (2014). "Frequency analysis of annual one day maximum rainfall at Amman Zarqa basin, Jordan.", *Civil and Environmental Research*, 6(3):44-58.
- **AL-Raggad, M.** Disi Water Use for Irrigation-A False Decision and its Consequences, *Clean Soil and water Journal* (2014) (ISI).
- **AL-Raggad, M.** Natural salinity sources in the groundwater of Jordan—Importance of sustainable aquifer management, *Chemie der Erde, Elsevier* (2014) (ISI).
- **Shammout MW** (2014) Comparison and Assessment of Success of Models in Watershed Simulation and Management. *Water Resource and Protection (JWARP)* Vol. 6, No. 6 <http://www.SciRP.org/journal/jwarp/doi:10.4236/jwarp.2014.66058>
- **Shammout MW, Zakaria H** (2014) Wild Water Lentils Plant (Duckweed, Lemna sp.) in Nutrients Removal of Jordan's Irrigation Ponds. *Biomedical Engineering and Environmental Engineering, WIT Transactions on the Built Environment*, Vol. 145, pp 525-531 [www.witpress.com](http://www.witpress.com)
- **Shammout MW, Shatanawi K, Jasem AH, Shatanawi M** (2014) Discrete Multi Criteria Optimization DSS for Water Scarce Basin: A case from Jordan. *Life Sci J.* Vol. 11(6s): 611-618
- **Jasem. H.** New Groundwater vulnerability index for the main aquifers in central Jordan and Validation of the result using NO<sub>3</sub> Concentration maps, *World Environment Journal*, February 2014.
- **Jasem, H, Shatanawi. K:** Groundwater vulnerability and Hydrochemical analysis of Disi sandstone aquifer – Jordan, *international Journal of Applied Environmental Sciences*, October 2014
- **Abu Ghunmi, I, Badawi, M, and Fayyad, M.** (2014). Fate of Triton X-100 Applications on water and Soil Environments: A Review. *Journal of surfactant and detergent.* 17(5):833-838
- **Halalshe M, KassabG., Abu GunmiL., HamaidehA,** Temperature shift as a tool for better understanding. IWA Specialist Conference- Global Challenges: Sustainable Wastewater Treatment and Resource Recovery 26-30 October 2014, Kathmandu, Nepal
- **HamaidehArwa, Bassam Al-Qarallah R. Hamdi, Saida Ali Abu Mallouh, Juma'a Khalil** Al-kafawen, MazenAlshaaer. Synthesis of Geopolymers Using Local Resources for Construction and water Purification. *Journal of Water Resource and Protection* 2014,6,507-513
- **HamaidehArwa, Kostas Komnitsas, MuayadEsaifan, Juma'a K. Al-Kafawein, Hubert Rahier** Advantages of applying a steam curing cycle for the production of Kaolinite-based geopolymers. *Arabian Journal for Science and Engineering*, ISSN1319-8025, 2014
- **HamaidehArwa,** Food Security in the Middle East. *Journal for Natural Science Research*, 2014, ISSN 2224-3186
- **Halalshe, M.** Sludge Management in Jordan. Regional Conference on "Sustainable Integrated Wastewater Treatment and Reuse" Sharm El Shaikh, Egypt, 1-2 December, 2014.