



## *Dr.Maha Halasheh Publications*



- 1.Halalsheh, M., Kassab, G., Abu Ghunmi, L., Hamaideh, A. (2014). Temperature shift as a tool for better understanding of solids digestion under anaerobic conditions. Proceedings IWA specialized conference- Global challenges: Sustainable wastewater treatment and resource recovery. 26-30 October, Kathmandu, Nepal.
- 2.Kassab, G., Halalsheh, M., Abu-Ghunmi, L., Shatanawi, K. (2013). Characterization and anaerobic biodegradation of single house wastewater. Jordan Journal of Civil engineering. Vol. 7, No. 2, pp 202-210.
- 3.Halalsheh, M., Kassab. G., Yazjeen, H., Qumsieh, S., Field, J. (2011). Effect of increasing the surface area of primary sludge on anaerobic digestion at low temperature. Bioresource Technology, 102(2), 748-752.
- 4.Halalsheh, M., Noaimat, H., Yazajeen, H., Cuello, J., Freitas, B., Fayyad, M. (2011). Biodegradation and seasonal variations in septage characteristics. Journal of Environmental Monitoring and Assessment. Volume 172 (1), pp. 419.
- 5.Halalsheh, M., Muhsen, H., Shatanawi, K., Field, J.(2010). Improving solids retention in up flow anaerobic sludge blanket reactors at low temperatures using lamella settlers. Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering 45(9), 1054-1059.



6.Kassab, G., Halalsheh, M., Klapwijk, A., Fayyad, M., van Lier, J. (2010). Sequential anaerobic-aerobic treatment for domestic wastewater- A review. *Bioresource Technology* 101, pp. 3299-3310.

7.Sawajneh, Z., Omari, A., Halalsheh, M. (2010). Anaerobic treatment of strong sewage by a two stage system of AF and UASB reactors. *Water Science and Technology* 61 (9), pp. 2399-2406.

8.Halalsheh, M., Abu Rumman, Z., Field, J. (2010). Anaerobic wastewater treatment of concentrated sewage using a two stage up flow anaerobic sludge blanket- anaerobic filter system. *Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering*, 45 (3).

9.Rojouli, M., Halalsheh, M., Fayyad, M. (2009). Anaerobic filter for polishing effluent of UASB reactor treating strong sewage at 23oC. *Water Science and Technology* 59(10), 1975-1981.



10.Halalsheh, M., Abu Ghunmi, L., Al-Alami, N., Fayyad, M. (2008). Fate of pathogens in tomato plants and soil irrigated with secondary treated wastewater. Proceedings of international IWA conference on new sanitation concepts and models of governance. May 19-21. Wageningen- The Netherlands.

11.Halalsheh, M., Wendland, C. (2008). Integrated anaerobic-aerobic treatment of concentrated sewage. In: Efficient management of wastewater, its treatment and reuse in water scarce countries. Edited by Al-Baz, I., Otterpohl, R. and Wendland, C. Springer publication, pp. 177-187.

12.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.

13.Al-Jabi, L.F., Halalsheh, M., Badarneh, D. (2008). Conservation of ammonia during food waste composting. Environmental Technology 29 (10), 1067-1073.



14. Halalsheh, M., van Lier, J. (2006). Capacity building on wastewater valorization for agricultural production in the Middle-East area by using low cost treatment

technologies. Capacity Building for Sustainable Development: sharing innovative experiences, Volume 14, chapter 11. Published of TWAS and UNDP.

15. Halalsheh, M. (2005). Wastewater treatment and reuse in Amman-Zarqa basin. Report prepared for the MEDITATE-EU project.



16.Halalsheh, M., Kassab, G., Fayyad, M. (2005). Uses of treated sludge in agriculture: organic pollutants perspective. Proceedings to the first international conference on sustainable urban wastewater treatment and reuse (SUWTR). Nicosia, Cyprus, Sept. 15-16.

17.Halalsheh, M., Sawajneh, Z., Zu'bi, M., Zeeman, G., van Lier, J., Fayyad, M., Lettinga, G. (2005). Treatment of strong domestic sewage in a 96 m<sup>3</sup> UASB reactor operated at ambient temperatures. Two stage versus one stage UASB reactor. Bioresource Technology (96) 577-585.

18.Halalsheh, M., Koppes, J., Den Elzen, J., Zeeman, G., Fayyad, M., Lettinga, G. (2005). Effect of SRT and temperature on biological conversions and the related scum forming potential. Wat. Res. (39) 2475-2482.

19.Halalsheh, M., Smit, T., Kerstens, S., Tissingh, J., Zeeman, G., Fayyad, M., Lettinga, G. (2004). Characteristics and anaerobic biodegradation of sewage in Jordan. Proceedings of the 10th Anaerobic digestion conference in Montreal, Canada between 28th August and 2nd September.



20. Halalsheh, M., Kerstens, S., Zeeman, G., van Lier, J., Fayyad, M., Lettinga, G. (2004). Treatment of strong domestic sewage using a two stage AF/UASB system and a one stage UASB reactor. Proceedings of the 10th Anaerobic digestion conference in Montreal, Canada, August 28- Sept. 2nd.

21. Halalsheh, M., Sawajneh, Z., Salhi, A., Omari, A. and Fayyad, M. (2004). AF/UASB and UASB/AF systems for strong sewage treatment. Proceedings of the 10th world congress on Anaerobic Digestion. Aug. 29-Sept. 2. Montreal, Canada.