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Editorial

This Special Issue of *Desalination and Water Treatment* includes 14 water and wastewater related papers selected from the IWWATV 2015 International Conference on Industrial Waste and Wastewater Treatment and Valorization (http://www.iwwatv.uest.gr) held in Athens, Greece, 21–23 May 2015.

After the SYMBIOSIS 2014 International Conference that was held in June 2014, the IWWATV 2015 Conference placed emphasis on industrial symbiosis, the sharing of services, utility and by-product resources among industries in order to enhance the added value, reduce costs, and improve the environment. Industrial Symbiosis can be a useful and effective tool in order to promote better use of resource and energy in the industrial sector and close the loop with the help of circular economy. The aim of the IWWATV 2015 Conference was to disseminate knowledge among scientists and industries about the latest developments in the field of industrial waste and wastewater management, creating economic and environmental value through symbiotic activities. Technologies/processes/systems which can effectively and efficiently purify industrial wastewater were examined. Such technologies address the need to remove the targeted contaminants from the treated effluent, so that the latter becomes a valuable product. It also targeted at contributing toward the improvement of the environmental industry performance, saving resources, as well as reducing H_2O and CO_2 footprints. The Conference was organized in the framework of the FOODINBIO project (http://foodinbio.uest.gr) and IPP-TEXFOOD project (http://ipp-texfood.uest.gr).

Papers presented at the conference included in this issue are as follows:

Equilibrium ion exchange studies of Zn^{2+}, Cr^{3+} and Mn^{2+} on natural bentonite, M.A. Stylianou, V.J. Inglezakis, M. Loizidou, A. Agapiou, G. Itskos, doi: 10.1080/19443994.2016.1235153.

Thorium removal from acidic aqueous solutions by activated biochar derived from cactus fibres, L. Hadjittofi, I. Pashalidis, doi: 10.1080/19443994.2016.1168580.

Regeneration of HDTMA-modified minerals after sorption with chromate anions, A.G. Thanos, A. Sotiropoulos, S. Malamis, E. Katsou, E.A. Pavlatou, K.J. Haralambous, doi: 10.1080/19443994.2016.1186395.

Consideration of geo-statistical analyst in soil pollution assessment caused by leachate breakout in the municipality of Thermi, Greece, M. Elhag, J.A. Bahrawi, doi: 10.1080/19443994.2016.1168583.

A critical review of the future trends and perspectives for the implementation of Anammox in the main line of municipal WWTPs, I. Fernández, J. Dosta, J. Mata-Álvarez, doi: 10.1080/19443994.2016.1235152.

Optimization of forward osmosis system for the utilization of reverse osmosis brine, R.C. Euse-bio, M.A. Promentilla, H.S. Kim, doi: 10.1080/19443994.2016.1168585.

The effect of various high-frequency powerful vibration (HFPV) types on fouling control of hollow fiber membrane elements in a small pilot-scale SMBR system, K. Chatzikonstantinou, N. Tzamtzis, N. Aretakis, A. Pappa, doi: 10.1080/19443994.2016.1186396.

Adsorptive removal of diclofenac from ultrapure and wastewater: a comparative assessment on the performance of a polymeric resin and activated carbons, R.N. Coimbra, C. Escapa, S. Paniagua, M. Otero, doi: 10.1080/19443994.2016.1186398.

Effects of eco-friendly production technologies on wastewater characterization and treatment plant performance, G. Yuksek, D. Okutman Tas, E. Ubay Cokgor, G. Insel, B. Kirci, O. Erturan, doi: 10.1080/19443994.2016.1235154.

Industrial wastewater treatment for fertilizer industry — A case study, V.M. Bhandari, L.G. Sorokhaibam, V.V. Ranade, doi: 10.1080/19443994.2016.1186399.

Dilution of olive mill wastewater (OMW) eliminates its phytotoxicity and enhances plant growth and soil fertility, M.J.M. Rusan, H.I. Malkawi, doi: 10.1080/19443994.2016.1186397.

Discoloration of textile effluent by natural clay improved through the presence of dyeing additives, N. Abidi, J. Duplay, E. Errais, A. Jada, M. Trabelsi-Ayadi, doi: 10.1080/19443994.2016.1168584.

Prediction of organic matter removal from pulp and paper mill wastewater using an artificial neural network, J.T.G. Morais, K.P.S.O.R. Esquerre, A. Kiperstok, L.M. Queiroz, doi: 10.1080/19443994.2016.1191777.

Aerobic granulation with petrochemical wastewater in a sequencing batch reactor under different operating conditions, S. Milia, E. Malloci, A. Carucci, doi: 10.1080/19443994.2016.1191778.

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