

Contents

Volume 250

Multi-nozzle steam ejector in the MED-TVC desalination system Xin Wang, Xiaoyue Zhao, Yulei Xing, Hongqing Lv, Hongkun Liu, Qihui Fu, Shenmin Xu, Jiaojun Xiong (China)	1
Performance improvement of solar still using phosphate granules as energy storing materials: an experimental study A. Rajendra Prasad (India), M.E.H. Attia (Algeria), M. Sudhakar, R. Sathyamurthy, A. Muthu Manokar (India)	16
Experimental and numerical investigation of the mechanism of thermal resistance in CaCO_3 fouling process on the tube wall Yao Che, Liang Xu, Jian-Ting Li, Shun-Liang Guo, Jun-Feng Gao, Liang-Bi Wang, Liang-Chen Wang (China)	27
Molecular dynamic study on changing pH trends in salt brine evaporation Yanfang Ma, Xin Liu, Wanqiu Dong, Kanshe Li, Zhihong Zhang, Zhiwei Li, Guojian Liu, Shaoji Xiang, Zhenhua Cui (China)	44
Process design and economic evaluation for cyclopentane (CP)-based hydrate desalination P. Sahu (India)	51
Wastewater and sludge reuse: selected case studies across the globe P. Kokkinos (Greece), J.R. Comia Jr. (Philippines), S. Caucci, H. Hettiarachchi (Germany), F.C. Ballesteros Jr. (Philippines), G. Oron (Israel), M. Salgot (Spain), I.K. Kalavrouziotis (Greece)	65
Developing bioadsorbents from orange peel waste for treatment of raw textile industry wastewater S. Bedoya Betancur, S. Amar Gil, A.N. Ardila A., E. Arriola V, R. Barrera Z. (Colombia), J.A. Hernández, T.A. Zepeda (Mexico)	80
Treatment of a nano-ceramic coating bearing effluent integrating adsorption and a coagulation/flocculation process D. Ribeiro, A.C. de Azevedo, I.A.H. Schneider (Brazil)	100
Design a full-scale batch adsorber for separation of thorium(IV) from liquid effluents by <i>Haloxylon persicum</i> leaves M.A. Mahmoud (Saudi Arabia)	108
Characterization of adsorption ability of <i>Spirulina platensis</i> for copper ions removal from aqueous solutions N.M.S. Moubayed, H.J. Al-Houri (Saudi Arabia)	118
Continuous removal of cadmium and lead ions by biochar derived from date seeds in a packed column reactor K. Saravanakumar (Oman), M. Sathyamoorthy (UAE), D.M. Reddy Prasad (Brunei), R. Senthilkumar, B.S.N. Prasad (Oman)	126
Modeling of sludge and flax anaerobic co-digestion based on combination of first order and modified Gompertz models: influence of C/N ratio and headspace gas volume M. Elsayed, Y. Andres, W. Blel (France)	136
Magnesium ion effect in the process of lithium migration in salt lake Xin Liu, Yanfang Ma, Guojian Liu, Shaoji Xiang, Zhenhua Cui (China)	148
Zirconium loaded on tannin foam for efficient adsorptive removal of fluoride at low concentration in a wide pH range Yamei Jiang, Chaoqun Li, Xiaolu Huang, Baicun Hao, Xiaoting Li, Jun Ma, Hui Mao, Shilin Zhao, Yang Liao (China)	159
Optimization of methane production during mesophilic anaerobic digestion using response surface methodology M. Elazhar, A. Bouchabchoub, F. Elazhar, A. Elmidaoui, M. Taky (Morocco)	172

Coagulation and flocculation of dye wastewater by FeCl_3 and mucilage extracted from dragon fruit peel (<i>Hylocereus undatus</i>) in regard of side effects caused by the use of PACl and PAM H.H. Nguyen, L.N. Tran, V.T. Doan, L.M. Luu, Q.T. Nguyen, Q.V. Pham, A.V. Ngo, O.T.H. Le (Vietnam)	181
High hydrogen production rate from potassium borohydride hydrolysis with an efficient catalyst: CNT@Ru(0) M.S. Keskin, M.S. Ağırtaş, O. Baytar, M.S. İzgi, Ö. Şahin, S. Horoz (Turkey)	189
Application of response surface methodology for heterogeneous catalytic removal of paracetamol by OMS-2/persulfate Z. Tunç, O. Tepe (Turkey)	197
Factorial design and optimization of thermal activation of persulfate for stabilized leachate treatment Yun Tong Chin, M.J.K. Bashir (Malaysia), S.S. Abu Amr (Turkey), M.Y.D. Alazaiza (Oman)	211
Paroxysmal black water events in reservoirs: the case of Tianbao Reservoir, China R. Bofah-Buoh, Yiping Li, Ya Zhu, P. Banahene, L.A. Nuamah, E. Norgbey (China), W.K. Darkwah (Australia)	221
Linear and nonlinear modeling of kinetics and isotherms characterizing adsorptive removal of 4-nitrophenol by bio char BC-PFP773 S. Mubarik, S. Ehsan, M. Imran, F. Hanif (Pakistan)	240
Artificial neural network mathematical modeling of methyl violet removal with chitosan-coated clinoptilolite E. Altintig, O. Kabadayı, D. Bozdag, S. Altundag, H. Altundag (Turkey)	252
Adsorption effect of two modified kaolin materials on wastewater containing multi-component organic dyes Zike Huang, Jiaqi Bu, Hui Wang (China)	266
Application of photocatalysis for the decontamination of water contaminated with the Acid Orange 10 dye in the presence of TiO_2 under irradiation M. Abbas, M. Trari (Algeria)	288
Comparative study on concentric cylindrical glass tube micro-reactor, UV-led strip photocatalytic reactor and classical annular reactor on Acid Red 87 removal K.P. Sundar, S. Kanmani (India)	298
Author Index	312