

 **Contents**

Volume 54 Issue 11

Preparation of a PVDF hollow fiber blend membrane via thermally induced phase separation (TIPS) method using new synthesized zwitterionic copolymer	2911
S. Rajabzadeh, D. Ogawa, Y. Ohmukai, Z. Zhou, T. Ishigami and H. Matsuyama (Kobe, Japan)	
Effect of clinoptilolite addition on nutrient removal in a membrane bioreactor	2920
M. Rezaei, M.R. Mehrnia, M.H. Sarrafzadeh and M.A. Aroon (Tehran, Iran)	
Performance evaluation of a wastewater reclamation plant using ultrafiltration and reverse osmosis	2928
M.F. Hamoda, N.F. Attia and I.A. Al-Ghusain (Safat, Kuwait)	
Influence of oval-shaped tube on falling film flow characteristics on horizontal tube bundle	2939
Lincong Luo, Guanmin Zhang, Jihong Pan and Maocheng Tian (Jinan, China)	
Application of a pre-hydrolyzed iron coagulant on partially stabilized leachate	2951
N.S.M. Zin (Parit Raja), H. Abdul Aziz, M.N. Adlan, A. Ariffin, M.S. Yusoff and I. Dahlan (Nibong Tebal, Malaysia)	
Comparison of semi-natural and constructed wetlands for agricultural wastewater treatment	2959
Jin Xu (Nanjing, China), Shang Lien Lo (Taipei, Taiwan), Ligang Xu (Beijing, China) and Ran Gong (Nanjing, China)	
Study on sea ice desalination technology via centrifuge	2969
Wei Tan, Zhanbin Jia, Chunliang Li, Xiaochong Gao and Chao Cheng (Tianjin, China)	
Effect of ionic strength and calcium ion on humic acid fouling of hollow-fiber ultrafiltration membrane	2976
Yongwang Liu, Xing Li, Yanling Yang, Wanlu Ye, Jiawei Ren and Zhiwei Zhou (Beijing, China)	
Combination of electro-coagulation and biological treatment by bioaugmentation for landfill leachate	2986
H. Djelal, Y. Lelievre and C. Ricordel (Rennes, France)	
Evaluation of Aydughmush River water quality using the National Sanitation Foundation Water Quality Index (NSFWQI), River Pollution Index (RPI), and Forestry Water Quality Index (FWQI)	2994
E. Hoseinzadeh (Hamedan, Iran), H. Khorsandi (Urmia, Iran), Chiang Wei (Nantou, Taiwan) and M. Alipour (Tabriz, Iran)	
Nonliving macrophyte <i>Salvinia</i> sp. application for nutrient removal in starchy wastewater treatment of cassava industry	3003
S.D.M. Hasan, R.S. Limons (Toledo), F.M. da Silva (Curitiba) and M.R. Fagundes Klen (Toledo, Brazil)	
Effects of chemical phosphate precipitation in the sidestream process on biological phosphorus removal at the anaerobic stage in an anaerobic-aerobic sequencing batch reactor	3011
Jinghua Lv and Linjiang Yuan (Xi'an, China)	
Phosphate adsorption characteristics of wasted low-grade iron ore with phosphorus used as natural adsorbent for aqueous solution	3020
Xiaoli Yuan, Chenguang Bai, Wentang Xia, Bing Xie and Juan An (Chongqing, China)	
Trends of natural and acid-engineered pumice onto phosphorus ions in aquatic environment: adsorbent preparation, characterization, and kinetic and equilibrium modeling	3031
G.H. Safari (Tehran), M. Zarrabi (Karaj), M. Hoseini (Tehran), H. Kamani (Zahedan), J. Jaafari and A.H. Mahvi (Tehran, Iran)	
Comparative study on structural modification of <i>Ceiba pentandra</i> for oil sorption and palm oil mill effluent treatment	3044
M.A. Abdullah, M. Afzaal, Z. Ismail, A. Ahmad (Tronoh, Malaysia), M.S. Nazir (Lahore, Pakistan) and A.H. Bhat (Tronoh, Malaysia)	
Utilization of modification polyester non-woven as an affordable sorbent for oil removal	3054
Shaoning Li, Xiaoqing Wu, Li Cui, Yingdong Zhang, Xianjin Luo, Yue Zhang and Zhao Dai (Tianjin, China)	
Performance of different ionic liquids to remove phenol from aqueous solutions using supported liquid membrane	3062
S.R. Pilli, T. Banerjee and K. Mohanty (Guwahati, India)	

Preparation of Co- and Cr-doped mixed crystal TiO ₂ powders and comparison of the photocatalytic degradation abilities under sunlight irradiation Shuguang Li, Lei Zhang, Jun Wang, Baoxin Wang, Yun Li and Chunhong Ma (Shenyang, China)	3073
Adsorption study on removal of Cr(VI) ions by polyaniline composite R. Karthik and S. Meenakshi (Dindigul, India)	3083
Effects of operating parameters on physicochemical properties of red plum juice and permeate flux during membrane clarification H. Nourbakhsh, Z. Emam-Djomeh (Karaj) and H. Mirsaeedghazi (Pakdasht, Iran)	3094
Desorption of bisphenol-A (BPA) and regeneration of BPA-spent granular activated carbon using ultrasonic irradiation and organic solvent extraction Chao Zhou, Naiyun Gao, Ruoyu Li (Shanghai, China) and Yang Deng (Montclair, NJ, USA)	3106
Modification of <i>Hibiscus cannabinus</i> fiber by graft copolymerization: application for dye removal G. Sharma (Solan, India), M. Naushad (Riyadh, Saudi Arabia), D. Pathania (Solan, India), A. Mittal (Bhopal, India) and G.E. El-Desoky (Riyadh, Saudi Arabia)	3114
Response surface methodology for optimization of process variable for reactive orange 4 dye discoloration by <i>Pseudomonas putida</i> SKG-1 strain and bioreactor trial for its possible use in large-scale bioremediation S.K. Garg, M. Tripathi and N. Lal (Faizabad, India)	3122
Solar, visible and UV light photocatalytic activity of CWO ₄ for the decolorization of methyl orange K. Jothivenkatachalam, S. Prabhu, A. Nithya, S.C. Mohan and K. Jeganathan (Tiruchirappalli, India)	3134
TiO ₂ /amidoxime-modified polyacrylonitrile nanofibers and its application for the photodegradation of methyl blue in aqueous medium K. Saeed, I. Khan (Chakdara, Pakistan) and Soo-Young Park (Daegu, Korea)	3146
Electrode-colorization of Reactive Red 198 from aqueous solutions using aluminum electrodes systems: modeling and optimization of operating parameters R. Khosravi (Birjand), M. Fazlzadehdavil (Ardabil), B. Barikbin (Birjand) and H. Hossini (Tehran, Iran)	3152
Investigations on semiconductor sonocatalysis for the removal of pathological micro-organisms in water S.G. Anju, I.S. Bright Singh, E.P. Yesodharan and S. Yesodharan (Kochi, India)	3161
Kinetics and isotherm studies on the adsorption of an antiparkinsonism drug Entacapone from aqueous solutions using unsaturated polyester resin (UPR) R. Jain, S. Sikarwar and S. Goyal (Gwalior, India)	3169
Effect of rhamnolipid on the adsorption of Pb ²⁺ onto the compost humic acid Haiyan Fu, Tian Chai, Guohe Huang, Panfeng Gao (Xiamen) and Zhifeng Liu (Changsha, China)	3177
Electrochemical oxidation of mustard tuber wastewater on boron-doped diamond anode Guishang Sheng, Ping Xiang, Shaojie Jiang and Dandan Ma (Chongqing, China)	3184
Author Index	3192