

Volume 57 Issue 24

Microfiltration of cutting-oil emulsions enhanced by electrocoagulation J. Križan Milić (Maribor, Slovenia), E. Dražević, K. Košutić (Zagreb, Croatia) and M. Simonič (Maribor, Slovenia)	10959
Humic acid removal by electrocoagulation: characterization of aluminum species and humic acid R.J.S. Palacios, Do-Gun Kim and Seok-Oh Ko (Yongin, Korea).....	10969
Characterization and antifouling performance of negatively charged PES/mesoporous silica ultrafiltration membrane for raw water filtration Xue Li, Jian Huang, Yu Zhang, Yaoping Lv, Ziming Liu and Zengnian Shu (Lishui, China)	10980
Validation of a chromatographic method for amoxicillin determination in wastewaters after its degradation by advanced oxidation process D. Carla Napoleão, R. Brandão Pinheiro, L.E.M.C. Zaidan, J.M. Rodríguez-Díaz (Recife, Brazil), A. da Nova Araújo, M. da Conceição Montenegro (Porto, Portugal) and V. Lins da Silva (Recife, Brazil)	10988
Performance assessment of synthesized CNT/polypropylene composite membrane distillation for oil field produced water desalination K. Okiel, A.H.M. El-Aassar (Cairo), T. Temraz, S. El-Etriby (Hoboken) and H.A. Shawky (Cairo, Egypt)	10995
Impact of modified starch on membrane fouling in MBRs Jing Ji (Shanghai), Jianfeng Li (Taiyuan), Yaozhong Li, Jiangping Qiu and Xudong Li (Shanghai)	11008
Treatment of micro-polluted water resource loaded with 2,4,6-trichlorophenol by a membrane bioreactor (MBR) Quan Zhang (Harbin and Shenzhen), Fei-yun Sun, Wen-yi Dong, Ru-bing Han (Harbin) and Lei Liu (Shenzhen, China)	11019
High-recovery electrodialysis reversal for the desalination of inland brackish waters C. Hanrahan (Charleston, SC), L. Karimi, A. Ghassemi (Las Cruces, NM) and A. Sharbat (Pomona, CA, USA)	11029
Laboratory freezing desalination of seawater S.M. Badawy (Sakaka, Saudi Arabia and Cairo, Egypt)	11040
A poly(sulfobetaine) hollow fiber ultrafiltration membrane for the treatment of oily wastewater Qian Li, Zhi-Qin Yan and Xiao-Lin Wang (Beijing, China)	11048
Experimental investigation of an air gap membrane distillation unit with double-sided cooling channel D.U. Lawal and A.E. Khalifa (Dhahran, Saudi Arabia).....	11066
Removal of hexavalent chromium from aqueous solution: a comparative study of cone biomass of <i>Picea smithiana</i> and activated charcoal S. Mittal, U. Vaid, Gh. Nabi Najar and J. Nagendra Babu (Bathinda, India)	11081
Optimization of Cr(VI) removal by sulfate-reducing bacteria using response surface methodology R. Ahmadi (Rasht), A. Rezaee (Tehran), M. Anvari (Rasht), H. Hossini and S.O. Rastegar (Tehran, Iran)	11096
<i>Spirulina platensis</i> as biosorbent of chromium and nickel from industrial effluents I. Zinicovscaia (Chisinau, Moldova and Dubna, Russia), L. Cepoi, T. Chiriac (Chisinau, Moldova), O.A. Culicov (Dubna, Russia and Bucharest, Romania), M. Frontasyeva, S. Pavlov, E. Kirkesali (Dubna, Russia), A. Akshintsev and E. Rodlovskaya (Moscow, Russia)	11103
Responses of activities and communities of nitrifying bacteria to chromium (VI) in activated sludge Xiao Su, Hongyan Zhai, Fan Ouyang, Min Ji and Hongyang Zhang (Tianjin, China).....	11111
Sorption of uranium(VI) by <i>Trapa bispinosa</i> from aqueous solution: effect of pretreatments and modeling studies Z. Naseem, H.N. Bhatti, S. Sadaf, S. Noreen and S. Ilyas (Faisalabad, Pakistan).....	11121
Fast and selective determination of ammonia in aqueous solutions using immobilized iron(III) oxide nanoparticles on the agarose membrane K. Zargoosh, F. Farhadian Babadi (Isfahan), M. Hosseini (Arak) and A.H. Kianfar (Isfahan, Iran).....	11133

Removal of Cu(II) ions from single component and Cd(II) containing solutions by micellar enhanced ultrafiltration utilizing micellar effects on complex formation D. Şahin and S. Taşcıoğlu (Ankara, Turkey)	11143
Adsorption of Cd(II) from wastewater using spent coffee grounds by Taguchi optimization Hsing Yuan Yen, Chen Pei Lin (Kaohsiung, Taiwan)	11154
Cd removal from aqueous solution using agricultural wastes M. Farasati, S. Haghighi and S. Boroun (Kermanshah, Iran)	11162
Adsorption of Cu(II), Ni(II) and Pb(II) ions onto polyamine-polyurea polymer modified with pyromellitic dianhydride: kinetic, isotherm and thermodynamic studies C. Ozer, F. Boysan and M. Imamoglu (Sakarya, Turkey)	11173
Experimental and modeling of nickel removal from sulfate solutions by emulsion liquid membrane using PC 88A Lelin Zeng, Weiyan Wang, Wei Chen, C. Bukirwa (Xiangtan, China and Kampala, Uganda) and Yunquan Yang (Xiangtan, China)	11184
Removal of Pb(II) ion from aqueous solution by graphene oxide and functionalized graphene oxide-thiol: effect of cysteamine concentration on the bonding constant M. Yari (Eslamshahr), M. Norouzi, A.H. Mahvi (Tehran), M. Rajabi (Arak), A. Yari, O. Moradi (Tehran, Iran), I. Tyagi (Roorkee, India) and V.K. Gupta (Roorkee, India, Dhahran, Saudi Arabia and Johannesburg, South Africa)	11195
Removal studies of lead onto activated carbon derived from lignocellulosic <i>Mangifera indica</i> seed shell M. Nasiruddin Khan, S. Bhutto, A. Arslan Wasim and S. Khurshid (Karachi, Pakistan)	11211
Evaluation and removal of emerging nanoparticle contaminants in water treatment: a review Zhun Ma (Qingdao, China and Singapore), Xiaoying Yin (Qingdao, China), Xiaosheng Ji (Hangzhou, China), Jun-Qi Yue, Lifeng Zhang, Jian-Jun Qin, S. Valiyaveetil and A. Adin (Singapore)	11221
Evaluation of poly-β-hydroxybutyrate as a sorbent material for the removal of spilled crude oil from water Junfeng Dou, Jing Yuan, Aizhong Ding, En Xie, Shuairan Li and Lei Zheng (Beijing, China)	11233
Phenol removal from aqueous medium using chemically modified banana peels as low-cost adsorbent A. Ali and K. Saeed (Khyber Pakhtunkhwa, Pakistan)	11242
Kinetics and thermodynamic studies of phenol adsorption on nanocomposite M. Alam Khan and A. Ahmad (Aligarh, India)	11255
Biological nitrogen removal in a modified anoxic/oxic process for piggery wastewater treatment Liang Wang, Jin-Ming Xu, Shu-Shuang Ma, Bin Zhao, Zhao-Hui Zhang, Xiao-Ming Zhou and Hong-Wei Zhang (Tianjin, China)	11266
Ammonium reduction kinetics in drinking water by newly isolated <i>Acinetobacter</i> sp. HITLi 7 at low temperatures Wen Qin, Weiguang Li, Duoying Zhang, Xiaofei Huang and Yang Song (Harbin, China)	11275
Adsorption capacity of NH ₄ Cl-induced activated carbon for removing sodium dodecyl sulfate from water G. Moussavi, S. Shekoohiyan and S. Mojab (Tehran, Iran)	11283
Removal of phosphate in aqueous solutions by the aluminum salt slag derived from the scrap aluminum melting process Xianyou Ren (Wuhan), Chao Du (Wuhan and Beijing), Liang Zhang, Yanhua Zhuang (Wuhan) and Meng Xu (Wuhan and Beijing, China)	11291
Nitrobenzene removal from micro-polluted water resource by a submerged MBR and the importance of activated sludge Quan Zhang (Harbin, Shenzhen), Fei-yun Sun and Wen-yi Dong (Shenzhen, China)	11300
Sorption dominance of biowaste <i>Camelia sinensis</i> and <i>Gallus domesticus</i> to activated carbon, alumina, and silica A. Fazal (Islamabad) and U. Rafique (Rawalpindi, Pakistan)	11309
Photocatalytic removal of methyl orange using Ag/Zn–TiO ₂ nanoparticles prepared by different methods R. Mohammadi (Tehran) and M. Mohammadi (Urmia, Iran)	11317
Potential efficacy of a mesoporous biosorbent <i>Simarouba glauca</i> seed shell powder for the removal of malachite green from aqueous solutions B. Jeyagowri and R.T. Yamuna (Coimbatore, India)	11326
Synthesis of NiFe ₂ O ₄ using degreasing cotton as template and its adsorption capacity for Congo Red Chao Kong, Jia Li, Futian Liu, Yi Song and Peng Song (Jinan, China)	11337

Synthesis of NiFe ₂ O ₄ nanoparticles for removal of anionic dyes from aqueous solution R. Zandipak and S. Sobhanardakani (Hamedan, Iran)	11348
Isotherm, kinetics, and process optimization for removal of Remazol Brilliant Blue dye from contaminated water using adsorption on acid-treated red mud G.M. Ratnamala (Belgaum and Surathkal, India), S.K. Vidya and G. Srinikethan (Surathkal, India)	11361
The treatment of greywater from a restaurant by electrosynthesized ferrate (VI) ion S. Barişçi (Kocaeli, Turkey), H. Särkkä, M. Sillanpää (Mikkeli, Finland) and A. Dimoglo (Kocaeli, Turkey)	11375
Removal of typical antibiotics in the advanced treatment process of productive drinking water Jianguang Liu, Qiuyue Sun, Chunyang Zhang, Hao Li, Wuchang Song, Ni Zhang and Xiangfeng Jia (Jinan, China)	11386
Cyclodextrin polymers for ibuprofen extraction in aqueous solution: recovery, separation, and characterization L. Moulahcene (Bejaria, Algeria and Rouen, France), O. Kebiche-Senhadji (Bejaia, Algeria), M. Skiba, M. Lahiani-Skiba (Bejaria, Algeria and Rouen, France), F. Oughlis-Hammache and M. Benamor (Bejaia, Algeria)	11392
Inhibition mechanism of <i>Microcystis aeruginosa</i> under UV-C irradiation Wei Huang, Ying Lu, Jibiao Zhang and Zheng Zheng (Shanghai, China)	11403
Preparation and characteristics of lightweight sludge ceramics by dehydrated sludge from dye intermediate processing wastewater treatment Su-qing Wu, Yuan-feng Qi (Shanghai, Jinan), Qin-yan Yue, Bao-yu Gao (Jinan), Yue Gao (Beijing), Chun-zhen Fan and Sheng-bing He (Shanghai, China)	11411
Adsorptive removal of vinyl polymer tanning agents from aqueous solution using wastewater activated sludge Xia Zhao, Jianzhong Ma, Hongrui Ma, Dangge Gao, Xiangfei Lv and Jing Zhang (Xi'an, China)	11422
Author Index	11433