



Behaviour of the solids retention time in relation to the operative variables in a hybrid moving bed membrane bioreactor treating urban wastewater J. Martín-Pascual, M.M. Muñoz and J.M. Poyatos (Granada, Spain)	19573
Pressure drop across wire mesh demister in desalination plants using Eulerian–Eulerian modeling and computational fluid dynamics simulation D. Al-Rabiah, H. Al-Fulaij and H. Ettouney (Safat, Kuwait)	19582
Hydrodynamic evaluation of an anaerobic baffled reactor for landfill leachate treatment A. Arvin, M. Peyravi, M. Jahanshahi (Babol) and H. Salmani (Tehran, Iran)	19596
Simultaneous nitrification and denitrification via nitrite in a pilot-scale modified anaerobic-anoxic-oxic reactor Jiashun Cao (Nanjing), Jianming Cai (Nanjing, Ningbo), Chao Li, Zhen Zhang, Yusheng Li and Minyan Xiao (Nanjing, China)	19609
Autopsy of ultrafiltration membranes for drinking-water production with in-line coagulation and ozonation pre-treatments F. Rojas-Serrano, E. Marín, J.I. Pérez and M.Á. Gómez (Granada, Spain)	19619
Crude glycerol as a carbon source at a low COD/N ratio provides efficient and stable denitrification K. Bernat, D. Kulikowska and M. Godlewski (Olsztyn, Poland).....	19632
Optimal operating conditions of micro- and ultra-filtration systems for produced-water purification: Taguchi method and economic investigation A. Reyhani and H. Mashhadi Meighani (Tehran, Iran)	19642
Performance of biofilters in GAC-sand and anthracite-sand dual-media filters in a water treatment plant in Abadan, Iran I. Baraee, S.M. Borghei (Tehran), A. Takdastan (Ahvaz), A.H. Hasani and A.H. Javid (Tehran, Iran)	19655
Quaternized chitosan-intercalated montmorillonite composite for cyanobacterial bloom inhibition Na Gu, Jinlong Gao, Kuitao Wang, Yuan Zhao, Heng Li and Yulin Ma (Shijiazhuang, China).....	19665
Physical surface modification of nanoporous TFC membranes using UV irradiation for water desalting; determination of best conditions H. Soltani Afarani and Y. Mansourpanah (Khorramabad, Iran)	19677
Economic assessment of the desalination of the Guarani Aquifer System by reverse osmosis to produce potable water in southern Brazil V.B. Brião, A. Pandolfo, E.B. Brião and D.P.C. Favaretto (Passo Fundo, Brazil)	19690
Application of Hellenic natural zeolite in Thessaloniki industrial area wastewater treatment A. Filippidis, E. Tziritis, N. Kantiranis, E. Tzamos (Thessaloniki), P. Gamaletsos (Thessaloniki and Athens), G. Papastergios and S. Filippidis (Thessaloniki, Greece)	19702
Treatment of surfactant-stabilized oily wastewater using coalescing bed of bagasse fly ash (BFA) as a low-cost filter medium: modelling and optimization of process parameters P. Kundu (Roorkee) and I.M. Mishra (Roorkee and Dhanbad, India).....	19713
Chemical characteristics of chromophoric dissolved organic matter in stormwater runoff of a typical residential area, Beijing Chen Zhao, Chong-Chen Wang, Jun-Qi Li, Chao-Yang Wang, Yan-Ru Zhu, Peng Wang and Nan Zhang (Beijing, China)	19727
Treatment of refinery waste water using modified sludge – Effect of process parameters, sorbent characterization and kinetic studies N. Rajamohan (Sohar), A. Al-Saadi and K.P. Ramachandran (Muscat, Oman).....	19741
A green alternative for oily wastewater treatment: lipase from <i>Acinetobacter haemolyticus</i> NS02-30 N. Sarac (Mugla) and A. Ugur (Ankara, Turkey)	19750
Application of low purity horseradish peroxidase enzyme to removal of oil from oily wastewater F. Gholami-Borujeni (Urmia), F. Nejat-zadeh-Barandozi (Khoy) and A.H. Mahvi (Tehran, Iran)	19760

Bioremediation of marine oil pollution by <i>Brevundimonas diminuta</i> : effect of salinity and nutrients Xin Wang, Xuejiang Wang, Mian Liu, Lijie Zhou, Zaoli Gu and Jianfu Zhao (Shanghai, China)	19768
Modelling adsorption equilibrium of STX and dc-STX onto GAC samples with different pore size distribution N.M.S. Buaque (Fortaleza, Brazil) and J. Capelo-Neto (Adelaide, Australia)	19776
Types of bulk liquid membrane and its membrane resistance in heavy metal removal and recovery from wastewater S.H. Chang (Penang, Malaysia)	19785
Application of novel surface-modified PES membranes for removal of heavy metals from aqueous solutions A.R. Boroujeni, M. Karimi and M. Javanbakht (Tehran, Iran)	19794
Fabrication and characterization of new PSF/PPSU UF blend membrane for heavy metal rejection I. Moideen K, A.M. Isloor (Mangalore, India), A.F. Ismail (Johor Bahru, Malaysia), A. Obaid (Riyadh, Saudi Arabia) and H.-K. Fun (Riyadh, Saudi Arabia and Penang, Malaysia)	19810
Poly (methyl methacrylate)-grafted alginate/Fe ₃ O ₄ nanocomposite: synthesis and its application for the removal of heavy metal ions A. Mittal (Bhopal), R. Ahmad and I. Hasan (Aligarh, India)	19820
Application of thiol-functionalized mesoporous silica-coated magnetite nanoparticles for the adsorption of heavy metals M. Tahergorabi, A. Esrafil, M. Kermani and M. Shirzad-Siboni (Tehran, Iran)	19834
Isotherm models for the nickel(II) biosorption using dead fungal biomass of <i>Aspergillus awamori</i> : comparison of various error functions F. Shahverdi, M. Ahmadi and S. Avazmoghdam (Tehran, Iran)	19846
Photo catalytic efficiency and kinetic studies of ZnO nanoparticles for the removal of basic dye Rhodamine B H. Soni, N. Kumar J.I. (Vallabh Vidyanagar), K. Patel (New Vallabh Vidyanagar) and R.N. Kumar (Vallabh Vidyanagar, India)	19857
Optimization of process variables for hexavalent chromium biosorption by psychrotrophic <i>Pseudomonas putida</i> SKG-1 isolate S.K. Garg, K. Singh and M. Tripathi (Faizabad, India)	19865
Biosorption of chromium in aqueous solutions using Bivalve mollusk shells through central composite design (CCD) model Z. Yousefi, A. Mashayekh-Salehi and R.A. Mohammadpour Tahmtan (Sari, Iran)	19877
Removal of cobalt(II) ion from water by adsorption using intact and modified <i>Ficus carica</i> leaves as low-cost natural sorbent R. Dabbagh, Z. Ashtiani Moghaddam and H. Ghafourian (Tehran, Iran)	19890
Replenishing Mg(II) to desalinated water by seawater nanofiltration followed by magnetic separation of Mg(OH) _{2(s)} Fe ₃ O ₄ particles O. Lehmann, O. Eckhaus, O. Lahav and L. Birnhack (Haifa, Israel)	19903
Removal of Cu ²⁺ and Pb ²⁺ ions by surfactant based cationic exchanger using cetylpyridinium chloride-cerium (IV) phosphate N. Iqbal, M. Mobin, M.Z.A. Rafiquee (Aligarh, India) and H.A. Al-Lohedan (Riyadh, Saudi Arabia)	19917
Biosorption of Pb ²⁺ , Cr ³⁺ , and Cu ²⁺ by peach palm sheath modified colonized by <i>Agaricus Blazei</i> C.L. Massocatto, M. de Andrade, A.C. Honorato (Umuarama), J. Caetano (Toledo), C.R.T. Tarley (Londrina), A. Gonçalves Júnior (Marechal Cândido Rondon), N.B. Colauto, G.A.L. Colauto and D.C. Dragunski (Umuarama, Brazil)	19927
Treatment of water contaminated with methyl tertiary butyl ether using UV/chlorine advanced oxidation process A.J. Kedir, B. Tawabini, A. Al-Shaibani and A.A. Bukhari (Dhahran, Saudi Arabia)	19939
Biosorption of cadmium and chromium from water by endophytic <i>Kocuria rhizophila</i> : equilibrium and kinetic studies F. Haq, M. Butt (Islamabad), H. Ali (Chakdara) and H.J. Chaudhary (Islamabad, Pakistan)	19946
Production of copper powder from synthetic wastewaters by cementation on a longitudinal finned rotating zinc cylinder E.M.M. El-Sayed, T.M.M. Zewail and A.A. Zaatout (Alexandria, Egypt)	19959
Removal of tetracycline from aqueous solution by hydrothermal method derived titanate nanotubes Huiyuan Li, Guangxia Li, Jie Wu, Xin Zhong and Hui Zhang (Wuhan, China)	19965

Degradation behavior and kinetics of dinitrotoluene in simulated wastewater by iron–carbon microelectrolysis Weizhou Jiao, Lisheng Yu, Youzhi Liu, Zhirong Feng and Wenli Liu (Taiyuan, China)	19975
Photodegradation of tetracycline antibiotics in aqueous solution by UV/ZnO Hui Wang, Hong Yao, Jin Pei, Fan Liu and Desheng Li (Beijing, China)	19981
Removal of phenol at high concentrations using UV/persulfate from saline wastewater A. Seid-Mohammadi, G. Asgari (Hamadan), A. Poormohammadi, M. Ahmadian (Kermanshah) and H. Rezaeivahidian (Tehran, Iran)	19988
Optimization of nitrobenzene wastewater treatment with O ₃ /H ₂ O ₂ in a rotating packed bed using response surface methodology Weizhou Jiao, Lisheng Yu, Zhirong Feng, Liang Guo, Yonghong Wang and Youzhi Liu (Taiyuan, China)	19996
Statistical analysis of thermal and nonthermal effects of sequential microwave/aeration process for the removal of ammonia from aqueous solution S. Dong and M. Sartaj (Ottawa, Canada)	20005
Preparation of a sludge-based adsorbent and adsorption of dimethyl phthalate from aqueous solution Zhihui Pan, Bin Huang and Chaosheng Zhang (Guangzhou, China)	20016
Application of response surface methodology for electrochemical oxidation of the C.I. Reactive Orange 7 using flow reactor with Ti/Sb–SnO ₂ anode J. Basiri Parsa, M. Bahiraei and F. Nabizadeh Chianeh (Hamadan, Iran)	20027
Removal of reactive blue 19 from aqueous solutions using NiO nanoparticles: equilibrium and kinetic studies Z. Monsef Khoshhesab and M. Ahmadi (Tehran, Iran)	20037
Reduced graphene oxide modified luffa sponge as a biocomposite adsorbent for effective removal of cationic dyes from aqueous solution Shengfang Li, Min Tao and Yongdi Xie (Huangshi, China)	20049
Fast removal of cationic dyes using pH-sensitive Fe ₃ O ₄ /poly(methacrylic acid) nanocomposite particles N. Saadatjoo, M. Hayasi (Semnan) and M. Karimi (Tehran, Iran).....	20058
Synthesis and investigation of photocatalytic properties of Au/Fe ₃ O ₄ nanocomposite materials for degradation of methylene blue A. Mahmood, S.M. Ramay, Y.S. Al-Zaghayer, A.-A.N. AlHaza, W.A. Al Masary (Riyadh, Saudi Arabia) and S. Atiq (Lahore, Pakistan)	20069
Modified poly(vinyl alcohol)-triethylenetetramine nanofiber by glutaraldehyde: preparation and dye removal ability from wastewater N.M. Mahmoodi and Z. Mokhtari-Shourijeh (Tehran, Iran).....	20076
Valorization of <i>Escherichia coli</i> waste biomass as a biosorbent for removing reactive dyes from aqueous solutions Sok Kim (Jeonbuk), Sung Wook Won (Gyeongnam), Chul-Woong Cho and Yeoung-Sang Yun (Jeonbuk, Korea).....	20084
Author Index	20091