



Effects of temperature on the permeability and critical flux of the membrane in a moving bed membrane bioreactor J. Martín-Pascual, J.C. Leyva-Díaz, C. López-López, M.M. Muñio, E. Hontoria and J.M. Poyatos (Granada, Spain) .....	3439
Start-up test on anaerobic sequencing batch biofilm reactor treating mustard tuber wastewater of the Three Gorges Reservoir in China Hongxiang Chai and Gaijuan Hou (Chongqing, China) .....	3449
A membrane filtration procedure for the enrichment, separation, and flame atomic absorption spectrometric determinations of some metals in water, hair, urine, and fish samples Z.A. Alothman (Riyadh, Saudi Arabia), Y.E. Unsal (Tokat, Turkey), M. Habila (Riyadh, Saudi Arabia), M. Tuzen (Tokat, Turkey) and M. Soylak (Kayseri, Turkey) .....	3457
Flavour assessment of blends between desalinated and conventionally treated sources V. García, A. Fernández, M.E. Medina, O. Ferrer, J.L. Cortina, F. Valero and R. Devesa (Barcelona, Spain) .....	3466
A survey on the ratio of effluent algal BOD concentration in primary and secondary facultative ponds to influent raw BOD concentration A. Almasi, K. Sharafi (Kermanshah), S. Hazrati and M. Fazlzadehdavil (Ardabil, Iran) .....	3475
Ultrapure water from seawater using integrated reverse osmosis-capacitive deionization system Y.A.C. Jande (Ansan, Korea, and Arusha, Tanzania), M.B. Minhas and W.S. Kim (Ansan, Korea) .....	3482
Investigation of calcium carbonate precipitation in the presence of fluorescent-tagged scale inhibitor for cooling water systems Huchuan Wang, Yuming Zhou, Guangqing Liu, Jingyi Huang, Qingzhao Yao, Shuaishuai Ma, Ke Cao, Yahui Liu (Nanjing), Wendao Wu, Wei Sun and Zhengjun Hu (Changzhou, China) .....	3491
Single-multicomponent biosorption of lead, mercury, chromium and arsenic onto activated sludge in batch and fixed-bed adsorber A.H. Sulaymon (Baghdad), S.A. Yousif and M.M. Al-Faize (Basrah, Iraq) .....	3499
Biosorption of copper ions using rhizoplane bacterial isolates isolated from <i>Eicchornia crassipes</i> ((Mart.) solms) with kinetic studies G. Padmapriya and A.G. Murugesan (Alwarkurichi, India) .....	3513
Removal of heavy metals from aqueous solution by multiwalled carbon nanotubes: equilibrium, isotherms, and kinetics M.R. Lasheen, I.Y. El-Sherif, D.Y. Sabry, S.T. El-Wakeel and M.F. El-Shahat (Cairo, Egypt) .....	3521
Removal of aluminum from synthetic solutions and well water by chitin: batch and continuous experiments R.R.Z. Tarpani, F.R. Lapolli and M.Á. Lobo-Recio (Florianópolis, Brazil) .....	3531
Investigation of mutual interactions of physicochemical parameters on simultaneous Zn(II) bioaccumulation and lipase production of <i>R. delemar</i> O.A. Evirgen and Y.S. Acikel (Ankara, Turkey) .....	3543
Characterization and environmental application of iron-modified zeolite from the Zlatokop deposit M. Ugrina, N. Vukojević Medvidović (Split, Croatia) and A. Daković (Belgrade, Serbia) .....	3557
A study on adsorption of cadmium (II) ions from aqueous solution using <i>Luffa cylindrica</i> A. Shahidi, N. Jalilnejad (Birjand) and E. Jalilnejad (Tehran, Iran) .....	3570
Study on ferrite-attapulgite composite material as catalyst and adsorbent for chemical wastewater treatment Weidong Liang, Ye Liu, Xiaojuan He, Zhaoqi Zhu and Xiaoyu Liu (Lanzhou, China) .....	3580
Decontamination of Cr(VI) and Mn(II) from aqueous media by untreated and chemically treated banana peel: a comparative study A. Ali and K. Saeed (Chakdara, Pakistan) .....	3586

Defluoridation of water using synthesized Zr(IV) encapsulated silica gel/chitosan biocomposite: Adsorption isotherms and kinetic studies S.M. Prabhu and S. Meenakshi (Dindigul, India) .....	3592
Photocatalytic activity of sol–gel-derived mesoporous TiO <sub>2</sub> thin films for reactive orange 16 degradation S.R. Patil (Nibong Tebal, Malaysia, and Jalgaon, India), U.G. Akpan (Nibong Tebal, Malaysia, and Minna, Nigeria) and B.H. Hameed (Nibong Tebal, Malaysia, and Riyadh, Saudi Arabia) .....	3604
Removal of Disperse Orange 25 using <i>in situ</i> surface-modified iron-doped TiO <sub>2</sub> nanoparticles B. Shahmoradi, A. Maleki (Sanandaj, Iran) and K. Byrappa (Mysore, India) .....	3615
Adsorption kinetics of a cationic dye from wastewater Ö. Demirbaş and M. Alkan (Balıkesir, Turkey) .....	3623
Plasma activation and acrylic acid grafting on polypropylene nonwoven surface for removal of cationic dye from aqueous media A. Haji, A. Mousavi Shoushtari and M. Abdouss (Tehran, Iran) .....	3632
Removal of dyes from aqueous solution by activated carbon from sewage sludge of the municipal wastewater treatment plant Muqing Qiu and Chengcai Huang (Shaoxing, China) .....	3641
Solar photocatalytic decolorization of Crystal violet using supported TiO <sub>2</sub> : effect of some parameters and comparative efficiency R. Djellabi and M.F. Ghorab (Annaba, Algeria) .....	3649
Adsorption isotherm, kinetic modeling and thermodynamics of crystal violet dye on coconut husk-based activated carbon A.M. Aljeboree, A.F. Alkaim (Hilla) and A.H. Al-Dujaili (Baghdad, Iraq) .....	3656
Kinetics and thermodynamics of cationic dye adsorption onto dry and swollen hydrogels poly(acrylic acid-sodium acrylate-acrylamide) sodium humate T. Singh and R. Singhal (Kanpur, India) .....	3668
Adsorption of methylene blue and methyl violet by camellia seed powder: kinetic and thermodynamic studies Chongchen Wang, Jia Zhang, Peng Wang, Hao Wang and Hui Yan (Beijing, China) .....	3681
Simulation analysis of release kinetic of organochlorine pesticides from hydragric acrisols influenced by low-molecular weight organic acids leaching Xia Liling, Zhao Zhenhua, Yuelong Zhu, E. Fawundu and J. Hussain (Nanjing, China) .....	3691
Disinfection effect of electrochemically generated chlorine on surface associated <i>Escherichia coli</i> in a drinking water system L. Mezule, V. Denisova, A. Briedia, M. Reimanis, J. Ozolins and T. Juhna (Riga, Latvia) .....	3704
Removal of methyl orange from aqueous solution via adsorption on cork as a natural and low-coast adsorbent: equilibrium, kinetic and thermodynamic study of removal process F. Krika and O.e.F. Benlahbib (Laghouat, Algeria) .....	3711
Author Index .....	3724