

Induction time measurements in two brackish water reverse osmosis plants for calcium carbonate precipitation N. Dhakal, S.G. Salinas Rodriguez, J.C. Schippers and M.D. Kennedy (Delft, The Netherlands) .....	285
Electrodialysis reversal desalination: optimal voltage application rate, linear velocity, and mean ion residence time for maximal ion removal rate M.T. Myint (Las Cruces, NM, USA) .....	294
TPH removal from oily wastewater by combined coagulation pretreatment and mechanically induced air flotation S.M. Hoseini, M.M. Salarirad and M.R. Alavi Moghaddam (Tehran, Iran) .....	300
A review on sugar industry wastewater: sources, treatment technologies and reuse J.P. Kushwaha (Patiala, India) .....	309
Separation of post-fermentation glycerol solution by nanofiltration membrane distillation system J. Bastrzyk and M. Gryta (Szczecin, Poland) .....	319
On intensive process of quantity and quality improvement of wastewater treatment plant under rainfall conditions Yin Jin, Xue-Yi You and Min Ji (Tianjin, China) .....	330
A study of a polymeric membrane performance in an ultrafiltration system to use in industrial application A. Reyhani, F. Rajaei (Tehran), M. Shahmoradi (Tabriz) and A. Kahkesh (Zahedan, Iran) .....	340
The combined UASB and MBR system to COD and TSS removal and excess sludge reduction for the treatment of high strength wastewater in various operational temperatures Soheil Farajzadehha, J. Shayegan, S.A. Mirbagheri, Soroush Farajzadehha and H. Hazrati (Tehran, Iran) .....	352
Treatment of landfill leachate by sonolysis followed by Fenton process Fugeng Zha, Mingxu Zhang (Huainan) and Guochun Xu (Tongling, China) .....	360
Ultrasound sludge lysis: heavy metals stability enhancement Guangming Zhang, Feng Gao (Beijing) and Tian Wan (Harbin, China) .....	367
Removal of Cr(VI) from aqueous solution using brick kiln chimney waste as adsorbent S. Hussain, S. Gul (São Carlos, Brazil), S. Khan (Campinas, Brazil), H. Rehman, M. Ishaq, A. Khan, F.A. Jan (Peshawar, Pakistan) and Z. Ud Din (São Carlos, Brazil) .....	373
The determination of trace amount of Cr (VI) and As (V) in aqueous solution by UV-Vis spectrophotometer assisted with preconcentration on a quaternary ammonium ion exchange fiber-in-tube Zhiyun Kong, Junfu Wei, Haitao Guo, Huicai Wang, Yonghua Li and Nana Liu (Tianjin, China) .....	382
Simultaneous separation and preconcentration of Cd(II), Co(II) and Ni(II) ions in environmental samples by carrier element free coprecipitation method prior to their flame atomic absorption spectrometric determination C. Duran (Trabzon), D. Ozdes (Gumushane), H.T. Akcay (Rize), H. Serencam (Bayburt) and M. Tufekci (Trabzon, Turkey).....	390
Detection of Hg(II) amidst several heavy and toxic metal ions after their selective separation by chromatography: Rationalization of separation factors in terms of Density Functional (hardness) index B. Srivastava, M.K. Barman and B. Mandal (Santiniketan, India) .....	398
A review on toxic cadmium biosorption from contaminated wastewater D. Ghosh (Hetampur), R. Saha (Bishnupur and Burdwan), A. Ghosh, R. Nandi and B. Saha (Burdwan, India) .....	413
Pb(II) biosorption by compound bioflocculant: Performance and mechanism Lili Wang, Zhonglin Chen, Jixian Yang and Fang Ma (Harbin, China) .....	421
Doehlert design as optimization approach for removal of Pb(II) from aqueous solution by <i>Catalpa speciosa</i> tree leaves: adsorption characterization J. Zolgharnein, T. Shariatmanesh, N. Asanjarani and A. Zolanvari (Arak, Iran) .....	430

Organo-modified sericite in the remediation of phenol contaminated waters D. Tiwari (Aizawl, India), Wongee Kim, Munui Kim (Gangneung, Korea), S.K. Prasad (Jamshedpur, India) and Seung-Mok Lee (Gangneung, Korea) .....	446
Development of olivestones-activated carbons by physical, chemical and physicochemical methods for phenol removal: a comparative study L. Temdrara (Chlef), A. Addoun and A. Khelifi (Algiers, Algeria) .....	452
Effects of operating parameters and additives on degradation of phenol in water by the combination of H <sub>2</sub> O <sub>2</sub> and hydrodynamic cavitation C.D. Wu, Z.L. Zhang, Y. Wu, L. Wang and L.J. Chen (Guangzhou, China) .....	462
Kinetic model of the ozone oxidation by-product bromate removal by nanoparticle zero iron Yan Zhang (Hangzhou, China and Edmonton, Canada), Hongyuan Liu and Runsheng Liu (Hangzhou, China) .....	469
Adsorption of di-butyl phosphate on activated alumina: equilibrium and kinetics N.K. Pandey, P. Velavendan, U. Kamachi Mudali and R. Natarajan (Kalpakkam, India) .....	475
Coagulation of phosphorus: effects of Al (III) species (Al <sub>a</sub> , Al <sub>b</sub> , and Al <sub>c</sub> ) Thuy Khanh Trinh and Lim Seok Kang (Busan, Korea) .....	485
Degradation of 17β-estradiol by combined ultrasound/KMnO <sub>4</sub> in an aqueous system Xiao-Yan Ma, Kai Tang (Hangzhou), Qing-Song Li (Xiamen), Ya-Li Song, Yong-Jiong Ni (Hangzhou) and Nai-Yun Gao (Shanghai, China) .....	493
Solar light induced photocatalytic degradation of methyl red in an aqueous suspension of commercial ZnO: a green approach N.K. Singh, S. Saha and A. Pal (Kharagpur, India) .....	501
Adsorption of methylene blue on strongly basic anion exchange resin (Zerolit DMF): kinetic, isotherm and thermodynamic studies M.A. Khan, Z.A. Al Othman, M. Naushad, M.R. Khan and M. Luqman (Riyadh, Saudi Arabia) .....	515
Removal of textile dye Lanaset Red G from waters by electrochemical degradation and spectrophotometric determination Y. Sürme (Nigde), R.F. Yilmaz (Sakarya) and K. Kayakirimaz (Gaziantep, Turkey) .....	524
Kinetics, equilibrium isotherms and thermodynamics of adsorption of Congo Red onto natural and acid-treated kaolinite and montmorillonite K.G. Bhattacharyya (Guwahati), S. Sen Gupta (Dhubri) and G.K. Sarma (Guwahati, India) .....	530
Adsorptive removal of dye crystal violet onto low cost carbon produced from Eichhornia plant: kinetic, equilibrium and thermodynamic studies S. Kaur, S. Rani and R.K. Mahajan (Amritsar, India) .....	543
Research on the mechanism of water resource loss in east karst mountain area of Sichuan Xiaobing Kang, Sheng Luo and Mo Xu (Chengdu, China) .....	557
Author Index .....	567