

The use of steelmaking slag for sewage sludge stabilization E. Papastergiadis, S. Sklari, A. Zouboulis, A. Chasiotis and P. Samaras (Thessaloniki, Greece) .....	1697
Performance evaluation and optimization of electrocoagulation process to treat grey wastewater K. Thirugnanasambandham, V. Sivakumar and J. Prakash Maran (Perundurai, India) .....	1703
Characterization of polystyrene granules as granular media filters J.M. Schöntag and M.L. Sens (Florianópolis, Brazil) .....	1712
Diagnostic of electricity consumption, its cost and greenhouse gas emission in the wastewater treatment sector of Algeria S. Igoud, F. Souahi, C.E. Chitour, A. Adjrad, M. Habchi and A. Chouikh (Algiers, Algeria) .....	1725
Increase of the anaerobic biodegradability of olive mill wastewaters through a pre-treatment with hydrogen peroxide in alkaline conditions A. Siciliano, M.A. Stillitano and S. De Rosa (Rende, Italy) .....	1735
CFD modeling of submerged membrane bioreactors (sMBRs): a review R. Sengur, G. Deveci, R. Kaya, T. Turken, S. Guclu, D.Y. Imer and I. Koyuncu (Istanbul, Turkey) .....	1747
Treatment of refinery wastewater using <i>Arthrobacter chlorophenolicus</i> A6 in an upflow packed bed reactor N.K. Sahoo (Bhubaneswar), P.K. Ghosh and K. Pakshirajan (Guwahati, India) .....	1762
Improved permeation properties of polyacrylonitrile-based ultrafiltration membranes incorporated with poly (vinyl alcohol) N.A.M. Nazri, W.J. Lau, A.F. Ismail (Skudai) and D. Veerasamy (Sungai Buloh, Malaysia) .....	1771
Performance and exergy analysis of a double-basin solar still with different materials in basin T. Rajaseenivasan (Madurai), K. Kalidasa Murugavel (Kovilpatti) and T. Elango (Kanyakumari, India) .....	1786
Comparative analysis of fixed-bed sorption models using phosphate breakthrough curves in slag filter media Chang-Gu Lee, Jae-Hyun Kim, Jin-Kyu Kang, Song-Bae Kim (Seoul), Seong-Jik Park (Anseong), Sang-Hyup Lee and Jae-Woo Choi (Seoul, Korea) .....	1795
Chelation of ion-exchange properties of copolymer resin derived from 2, 2'-dihydroxybiphenyl, biuret, and formaldehyde S.S. Rahangdale (Goregaon) and W.B. Gurnule (Nagpur, India) .....	1806
Optimization of Cu(II), Ni(II), Cd(II), and Pb(II) biosorption by red marine alga <i>Kappaphycus alvarezii</i> R.S. Praveen and K. Vijayaraghavan (Chennai, India) .....	1816
Adsorption behavior of Zn(II) ions on synthetic hydroxyapatite L. Pivarčiová, O. Rosskopfová, M. Galamboš and P. Rajec (Bratislava, Slovak Republic) .....	1825
Biosorption of Pb(II) and Zn(II) from aqueous solutions by living B350 biomass Yanzhi Qu, Qingqiang Meng, Quanlin Zhao and Zhengfang Ye (Beijing, China) .....	1832
Comparison study on Cr(VI) removal by anion exchange resins of Amberlite IRA96, D301R, and DEX-Cr: isotherm, kinetics, thermodynamics, and regeneration studies Xiaoqian Liu, Yan Li, Can Wang and Min Ji (Tianjin, China) .....	1840
Manganese removal from groundwater: characterization of filter media coating J.H. Bruins, B. Petrusevski, Y.M. Slokar, J.C. Kruithof and M.D. Kennedy (Delft, The Netherlands) .....	1851
Utilization of synthesized NaA and ZSM-5 nanozeolites for mercury(II) removal: kinetic, thermodynamic and isotherm study H. Alijani, M.H. Beyki and S.N. Mirzababaei (Tehran, Iran) .....	1864
Adsorption and bioregeneration in the treatment of phenol, indole, and mixture with activated carbon Qian Zhao, Hongjun Han, Shengyong Jia, Haifeng Zhuang, Baolin Hou and Fang Fang (Harbin, China) .....	1876
Analysis and modeling of multicomponent sorption of heavy metals on chicken feathers using Taguchi's experimental designs and artificial neural networks H.E. Reynel-Avila, A. Bonilla-Petriciolet (Aguascalientes) and G. de la Rosa (Guanajuato, Mexico) .....	1885

Photoreduction of toxic chromium using TiO <sub>2</sub> -immobilized under natural sunlight: effects of some hole scavengers and process parameters R. Djellabi and M.F. Ghorab (Annaba, Algeria) .....	1900
Successive cycles of sorption/regeneration for granular activated carbon in the removal of nitrate ions O. Zanella, N.K. Haro, I.C. Tessaro and L.A. Féris (Porto Alegre, Brazil) .....	1908
Combination of adsorption and biological treatment in a SBR for colour elimination in municipal wastewater with discharges of textile effluents E. Ferrer-Polonio, A. Iborra-Clar, J.A. Mendoza-Roca and M.I. Iborra-Clar (Valencia, Spain) .....	1915
Application of artificial neural network (ANN) for modeling of dyes decolorization by Sn/Zn-TiO <sub>2</sub> nanoparticles R. Mohammadi, H. Eskandarloo (Tehran) and M. Mohammadi (Urmia, Iran) .....	1922
Equilibrium and kinetic modeling for the removal of Turquoise Blue PG dye from aqueous solution by a low-cost agro waste H.N. Bhatti and S. Nausheen (Faisalabad, Pakistan) .....	1934
Gamma radiation induced decolorization of an aqueous textile dye solution in the presence of different additives M. Abdul Wasim (Peshawar, Pakistan), R. Ullah (Peshawar and Kohat, Pakistan), N.M. AbdEl-Salam (Riyadh, Saudi Arabia) and S. Ayaz (Kohat, Pakistan) .....	1945
The use of a forest waste biomass, cone of <i>Pinus brutia</i> for the removal of an anionic azo dye Congo Red from aqueous medium A. Bouguettoucha, D. Chebli (Sétif, Algeria), T. Mekhalef (Skikda, Algeria), A. Noui (Sétif, Algeria) and A. Amrane (Rennes, France) .....	1956
The effectiveness of polyaluminium ferric chloride (PAFCl) for turbidity and color removal from Isfahan raw water A. Ebrahimi, E. Taheri (Isfahan), A. Pashaee (Saqqez, Kurdistan) and M. Mahdavi (Isfahan, Iran) .....	1966
Hybrid Fe <sub>3</sub> O <sub>4</sub> /MOFs for the adsorption of methylene blue and methyl violet from aqueous solution Ling Li, Li Jun Yuan, Wei Hong, Lu Fan, Le Bao Mao and Li Liu (Wuhan, China) .....	1973
Author Index .....	1981