

Contents

Volume 57 Issue 30

Sludge dewatering and drying: about the difficulty of making experiments with a non-stabilized material Y.B. Pambou, L. Fraikin, T. Salmon, M. Crine and A. Léonard (Liège, Belgium)	13841
Multi-criteria decision-making model for wastewater reuse application: a case study from Iran A. Hadipour (Tehran), T. Rajaei (Qom), V. Hadipour (Tehran) and S. Seidirad (Qom, Iran)	13857
Treatment of wastewater containing imazalil by means of Fenton-based processes D.E. Santiago, J. Araña, O. González-Díaz, E. Henríquez-Cárdenes, J.A. Ortega-Méndez, E. Pulido-Melián, J.M. Doña-Rodríguez and J. Pérez-Peña (Las Palmas, Spain)	13865
Oxidative degradation of clindamycin in aqueous solution using nanoscale zero-valent iron/H ₂ O ₂ /US M. Gholami (Tehran), K. Rahmani (Ardabil), A. Rahmani (Tehran), H. Rahmani (Ahvaz) and A. Esrafili (Tehran, Iran)	13878
Comparison of the chemical precipitation, UV/H ₂ O ₂ and Fenton processes to optimize removal of chronic toxicity from kraft mill effluents M. Jarpa, O. Rozas, C. Salazar, C. Baeza (Concepción, Chile), J.L. Campos (Santiago de Compostela, Spain and Viña del Mar, Chile), H.D. Mansilla and G. Vidal (Concepción, Chile)	13887
Removal of natural organic matter (NOM) by ion exchange from surface water for drinking water production: a pilot-scale study W.T.M. Audenaert, L. Van Beneden and S.W.H. Van Hulle (Kortrijk, Belgium)	13897
Effect of salinity and temperature on the bacterial diversity shift of anaerobic batch cultures treating abattoir wastewater L. Jabari (Tunis, Tunisia and Marseille, France), E. Khelifi, H. Gannoun (Tunis, Tunisia), M.-L. Fardeau (Marseille), J.-J. Godon (Narbonne, France) and M. Hamdi (Tunis, Tunisia)	13909
Experimental study of pretreatment of brackish reverse osmosis concentrate streams using seeded precipitative softening process for improvement of water recovery W.S. Omar (Al-Hofuf, Saudi Arabia)	13916
Influence of relative air humidity and casting time on the permeation properties of PSf nanofiltration membranes S. Balta, D.L. Buruiana, C.S. Simionescu, L.G. Tiron, M. Bordei (Galati, Romania) and B. van der Bruggen (Leuven, Belgium)	13924
Study of influence of operational parameters on the mass condensate flux in the condenser of seawater greenhouse at Muscat, Oman T. Tahri, M. Douani, M. Amoura and A. Bettahar (Chlef, Algeria).....	13930
Bacteriological, inorganic and heavy metal evaluation of drinking water of the specified flood affected areas of Dir (Lower) Pakistan M. Zahoor (Khyber Pakhtunkhwa), F.A. Khan (Khyber Pakhtunkhwa and Peshawar) and M. Azam (Peshawar, Pakistan)	13938
Enrichment of anaerobic ammonium oxidation (anammox) bacteria for short start-up of the anammox process: a review M. Ibrahim, N. Yusof (Tanjong Malim), M.Z.M. Yusoff and M.A. Hassan (Serdang, Malaysia)	13958
Sunlight inactivation of faecal coliforms in domestic wastewater E.D.O. Ansa, A.H. Andoh, P. Nieuw, R. Banu, M. Akrong (Accra), M.A. Acheampong (Kumasi) and J. Adiyiah (Sunyani, Ghana)	13979
Combined treatment of textile wastewater by coagulation–flocculation and advanced oxidation processes C. López-López, J. Martín-Pascual, J.C. Leyva-Díaz, M.V. Martínez-Toledo, M.M. Muñío and J.M. Poyatos (Granada, Spain)	13987
Nitrogenous compounds removal from recalcitrant wastewaters using biofilms on filamentous bamboo Wenping Cao (Xuzhou, China)	13995

Kinetics study on the oxidation of chlorophenols by permanganate Xiao-Ling Shao, Cheng-Fei Zou, Fu-Xing Wang, Yang Xiong and Xiang-Yang Wu (Zhenjiang, China)	14004
Forward osmosis application of modified TiO ₂ -polyamide thin film nanocomposite membranes M. Amini, A. Rahimpour and M. Jahanshahi (Babol, Iran)	14013
Applicability of statistical tools for evaluation of water treatment plants L. Ventura Melo, M.D. de Oliveira, M. Libârio and S.C. Oliveira (Belo Horizonte, Brazil)	14024
Groundwater hydrochemistry and effects of anthropogenic pollution in Béchar city (SW Algeria) A. Kabour (Batna), A. Hani (Annaba) and L. Chebbah (Jijel, Algeria)	14034
Evaluating treatment options for wastewater generated from production of metal complex dyes Chi-Wang Li, Li-Wei Chang, Yang-Min Liang, Yi-Hsuan Chou (New Taipei) and Shiao-Shing Chen (Taipei, Taiwan)	14044
Optimization and modeling of process variables for adsorption of Basic Blue 41 on NaOH-modified rice husk using response surface methodology S.D. Ashrafi (Rasht and Tehran), H. Kamani (Zahedan), H. Soheil Arezomand, N. Yousefi and A.H. Mahvi (Tehran, Iran)	14051
Adsorption removal of Congo red by epichlorohydrin-modified cross-linked chitosan adsorbent Chunguang Li, Jiehu Cui, Fan Wang, Weigong Peng and Yanhong He (Zhengzhou, China)	14060
Effectiveness of a photocatalytic organic membrane for solar degradation of methylene blue pollutant O. Benhabiles (Algiers and BouIsmail), H. Mahmoudi (Chlef), H. Lounici (Algiers and Bouria, Algeria) and M.F.A. Goosen (Riyadh, Saudi Arabia)	14067
Biochemical degradation of Methylene Blue using a continuous reactor packed with solid waste by <i>E. coli</i> and <i>Bacillus subtilis</i> isolated from wetland soil B. Chakraborty, L. Ray and S. Basu (Kolkata, India)	14077
Investigation of enhanced Fenton process (EFP) in color and COD removal of wastewater containing Acid Red 18 by response surface methodology: evaluation of EFP as post treatment A. Azizi, M.R.A. Moghaddam, R. Maknoon and E. Kowsari (Tehran, Iran)	14083
Adsorption of anionic dyes from an aqueous solution by banana peel and green coconut mesocarp G.E. do Nascimento, N.F. Campos, J.J. da Silva, C.M.B.M. Barbosa and M.M.M.B. Duarte (Recife, Brazil)	14093
Adsorption of Acid Blue 121 dye on fish (<i>Dicentrarchus labrax</i>) scales, the extracted from fish scales and commercial hydroxyapatite: equilibrium, kinetic, thermodynamic, and characterization studies D. Uzunoğlu and A. Özer (Yenişehir-Mersin, Turkey)	14109
Photocatalytic degradation of textile reactive dye using artificial neural network modeling approach G.G. Lenzi (Ponta Grossa), R.F. Evangelista (Maringá), E.R. Duarte (Ponta Grossa), L.M.S. Colpini (Jandaia do Sul), A.C. Fornari, R. Menechini Neto, L.M.M. Jorge and O.A.A. Santos (Maringá, Brazil)	14132
Comprehensive study on interactive effects of operational parameters by using response surface method for sodium sulfate removal from magnesium stearate aqueous slurry via electrodialysis process M.A. Masigol, A. Moheb and A. Mehrabani-Zeinabad (Isfahan, Iran)	14145
Intensify chemical reduction to remove nitrate from groundwater via internal microelectrolysis existing in nano-zero valent iron/granular activated carbon composite Sihai Hu, Chengjun Zhang, Hairui Yao, Cong Lu and Yaoguo Wu (Xi'an, China)	14158
A solid waste, crashed autoclaved aerated concrete, as a crystalline nucleus for the removal of low concentration of phosphate Weijie Li, Lixuan Zeng, Yuan Kang, Qiuyun Zhang, Jiwen Luo and Xingmei Guo (Guangzhou, China)	14169
TiO ₂ -nanostructured carbon composite sorbent/photocatalyst for humic acid removal from water C. Orha, F. Manea, A. Pop, C. Bandas and C. Lazau (Timisoara, Romania)	14178
Removal of phenol from aqueous solutions using adsorbents derived from low-cost agro-residues J. Dasgupta, A. Kumar, D.D. Mandal, T. Mandal (Durgapur) and S. Datta (Kolkata, India)	14188
Optimized adsorption of 4-chlorophenol onto activated carbon derived from milk vetch utilizing response surface methodology Z. Noorimotagh, S. Shahriyar (Ilam and Ahvaz), R. Darvishi Cheshmeh Soltani and R. Tajik (Arak, Iran)	14213
An efficient Ag ₂ SO ₄ -deposited ZnO in photocatalytic removal of indigo carmine and phenol under outdoor light irradiation Hui-Sun Choo (Nibong Tebal), Sze-Mun Lam, Jin-Chung Sin (Kampar) and A.R. Mohamed (Nibong Tebal, Malaysia)	14227

Synthesis of β -cyclodextrin/mesoporous attapulgite composites and their novel application in adsorption of 2,4,6-trichlorophenol and 2,4,5-trichlorophenol Xudong Zheng, Jiangdong Dai and Jianming Pan (Zhenjiang, China)	14241
Equilibrium and kinetic studies of Cd(II) ion adsorption from aqueous solution by activated red mud M.K. Sahu, S. Mandal (Rourkela), L.S. Yadav (Sambalpur), S.S. Dash and R.K. Patel (Rourkela, India).....	14251
Removal of toxic Cr(VI) from water by a novel magnetic chitosan/glyoxal/PVA hydrogel film M. Mirabedini and M.Z. Kassaee (Tehran, Iran)	14266
Preparation of a new nanoparticle Cd(II)-imprinted polymer and its application for selective separation of cadmium(II) ions from aqueous solutions and determination via inductively coupled plasma optical emission spectrometry N. Ashouri, A. Mohammadi (Tehran), R. Hajiaghaei (Karaj), M. Shekarchi and M.R. Khoshayand (Tehran, Iran)	14280
Removal of chromate from aqueous solutions by dendrimers-clay nanocomposites A. Beraa (Marrakech, Morocco and Toulouse, France), M. Hajjaji (Marrakech, Morocco), R. Laurent, B. Delavaux-Nicot and A.-M. Caminade (Toulouse, France)	14290
Application of shrinking core model to the adsorption of oxytetracycline onto peanut hull-derived activated carbon in a closed-loop fixed-bed reactor D. Djedouani, M. Chabani (Algiers, Algeria), A. Amrane (Rennes, France) and A. Bensmaili (Algiers, Algeria)	14304
Author Index	14315