Dielectric barrier discharge induced the degradation of the emerging contaminant ibuprofen in aqueous solutions
B. Zheng, C. Li (Zhengzhou), J. Zhang and Z. Zheng (Shanghai, China) ................................................................. 4469

Study on dissolved organic nitrogen (DON) removal by activated carbon adsorption
L. Gu (Chongqing), J. Xu (Xiamen), C. Ding (Chongqing), X. Yu, H. Lin (Xiamen), Q. He and J. Li (Chongqing, China) ........................................................................................................... 4476

Adsorption/desorption of BTEX on activated carbon prepared from rice husk
S.M. Yakout (Riyadh, Saudi Arabia) and A.A.M. Daifullah (Cairo, Egypt) ................................................................. 4485

Equilibrium modeling for adsorptive removal of Indosol Black NF dye by low-cost agro-industrial waste: batch and continuous study
S. Sadaf and H.N. Bhatti (Faisalabad, Pakistan) .......................................................................................................... 4492

Utilization of bottom ash as a low-cost sorbent for the removal and recovery of a toxic halogen containing dye eosin yellow
J. Mittal, D. Jhare (Bhopal), H. Vardhan (Dadri) and A. Mittal (Bhopal, India) ............................................................. 4508

Preparation and characterization of NZVI–MCM-48 mesoporous molecular sieves and its mechanism for treatment of methylene blue wastewater
J. Fan (Nanjing and Shanghai), Y. Cheng (Jingdezhen) and Y. Wei (Nanjing, China) .................................................... 4520

Enhanced adsorption of methylene blue on modified silica gel: equilibrium, kinetic, and thermodynamic studies
A.K. Kushwaha (Phagwara and Allahabad), N. Gupta and M.C. Chattopadhyaya (Allahabad, India) ......................... 4527

Heterogeneous Fenton process using iron-containing waste (ICW) for methyl orange degradation: process performance and modeling
M.E.M. Ali, T.A. Gad-Allah, E.S. Elmolla and M.I. Badawy (Cairo, Egypt) ................................................................. 4538

A comparison of electrolysis and Fenton reaction pretreatment methods for dye wastewater
F. Chen, C. Yang and J. Wang (Hangzhou, China) ........................................................................................................ 4547

Applicability of a new pre-hydrated industrial grade polyaluminium salt for the decolourisation of textile wastewater
A.K. Verma, P. Bhunia and R.R. Dash (Odisha, India) ................................................................................................. 4553

Treatment of printing and dyeing wastewater using MBBR followed by membrane separation process
B. Dong (Shanghai), H. Chen (Henan), Y. Yang, Q. He and X. Dai (Shanghai, China) ................................................ 4562

Low-cost synthesis of mesoporous Zn(II)/Sn(II) mixed oxide nanoparticles for the adsorption of dye and heavy metal ion from aqueous solution
K. Yogesh Kumar, H.B. Muralidhara (Bangalore), Y. Arthoba Nayaka (Shankaraghatta) and J. Balasubramanyam (Bangalore, India) ............................................................... 4568

Removal of Terasil Red R dye by using Fenton oxidation: a statistical analysis
Y.S. Woo, M. Rafatullah, A.F.M. Al-Karkhi and T.T. Tow (Penang, Malaysia) ............................................................ 4583

Ru(III)-catalyzed permanganate oxidation of bisphenol A
J. Zhang, X. Guan (Harbin, China) ..................................................................................................................... 4592

Author Index ...................................................................................................................................................... 4602