



| | |
|--|------|
| Role of biofilms in improving microbial quality in rainwater tanks Mikyeong Kim (Gyeonggi-Do) and Mooyoung Han (Seoul, Korea) | 2579 |
| Removal of COD from real textile effluents using agro-industrial wastes S. Sadaf and H.N. Bhatti (Faisalabad, Pakistan) | 2585 |
| Statistical modeling on COD removal from metal-working fluids through electrocoagulation process K.C. Praveen, C. Arun, N. Balasubramanian and K.V. Radha (Chennai, India) | 2593 |
| Polypropylene-zeolite polymer composites for water purification: synthesis, characterization and application M.M. Motsa, T.A.M. Msagati (Doornfontein, South Africa), J.M. Thwala (Doornfontein, South Africa and Kwaluseni, Swaziland) and B.B. Mamba (Doornfontein, South Africa) | 2604 |
| The use of computational fluid dynamics to estimate fluid residence time and flow hydrodynamics in open digesters of wastewater treatment plants: a case study R. Barrio, E. Blanco, J. Fernández and M. Galdo (Asturias, Spain) | 2613 |
| Intensification of sonochemical degradation of chlorobenzene using additives V.L. Gole (Pune) and P.R. Gogate (Mumbai, India) | 2623 |
| Synthesis and characterization of functionalized polyacrylonitrile coated with iron oxide nanoparticles and its applicability in nitrate removal from aqueous solution R. Nabizadeh, M. Jahangiri-Rad, M. Yunesian, J. Nouri, F. Moattar and S. Sadjadi (Tehran, Iran) | 2636 |
| Removal of nickel and vanadium from ammoniacal industrial wastewater by ion exchange and adsorption on activated carbon A. Keränen, T. Leiviskä (Oulu), A. Salakka (Espoo) and J. Tanskanen (Oulu, Finland) | 2645 |
| Influence of Fe ²⁺ -sodium persulfate on extracellular polymeric substances and dewaterability of sewage sludge Yafei Shi, Jiakuan Yang, Wei Mao, Yalin Li, Xin Xu, Hao Zhang, Wenbo Yu (Wuhan), Ye Li (Shenzhen) and Changzhu Yang (Wuhan, China) | 2655 |
| Electrochemical treatment of endocrine-disrupting chemical from aqueous solution M. Govindaraj and S. Pattabhi (Coimbatore, India) | 2664 |
| Simultaneous production of bio-hydrogen and methane from soybean protein processing wastewater treatment using anaerobic baffled reactor (ABR) Gefu Zhu (Xiamen), Jianzheng Li (Harbin), Chaoxiang Liu, Xu Huang and Lin Liu (Xiamen, China) | 2675 |
| Ultrasonication ionic liquid-based dispersive liquid-liquid microextraction of palladium in water samples and determination of micro sampler system-assisted FAAS D. Citak and M. Tuzen (Tokat, Turkey) | 2686 |
| Biosorption of zinc ions onto <i>Corylus avellana</i> L. Ö. Demirbaş (Balıkesir) and A. Karadağ (Gaziantep, Turkey) | 2692 |
| Sunlight and microwave induced preparation of activated carbons and their removal of lead(II) and cadmium(II) from industrial effluent C. Prince Jebadass Isaac, R. Lakshmi pathy and A. Sivakumar (Vellore, India) | 2701 |
| Environmental remediation from aqueous mercury(II) by photocatalytic reduction using a coupled SnO ₂ -Co ₃ O ₄ nanocomposite R.M. Mohamed (Jeddah, Saudi Arabia and Cairo, Egypt) and H.A. Gazzaz (Cairo, Egypt) | 2712 |
| Alternative usage of edible deoiled cake for decolonization of Reactive Red dye A. Das, Subramanyam B, M. Goel (Thanjavur), B. Ram Kiran, K. Sudharshan (Bhopal) and K. Ravi Kumar (Thanjavur, India) | 2720 |
| Optimum soil depth for removal of coliphage viruses from treated wastewater, Kuwait A. Al-Haddad, T. Rashid and B. Al-Salman (Safat, Kuwait) | 2727 |

**Selected papers presented at 2013 International Environmental Engineering Conference
and Annual Meeting of the Korean Society of Environmental Engineers (IEEC 2013)
Seoul, Korea, June 11–13, 2013**

| | |
|---|------|
| Influence of applied voltage and COD on the bioelectrochemical degradation of organic matter Young-Chae Song, Hyun-Jin Lim and Jung-Hui Woo (Busan, Korea) | 2732 |
| Simultaneous bioelectricity generation and biodegradability improvement of refinery wastewater using microbial fuel cell technology Xuan Guo, Yali Zhan, Chunmao Chen, Suxiu Sun, Lijie Zhao and Shaohui Guo (Beijing, China) | 2740 |
| Fertilizer-drawn forward osmosis for irrigation of tomatoes T. Majeed, S. Sahebi, F. Lotfi, Jung Eun Kim, S. Phuntsho, L.D. Tijing and Ho Kyong Shon (Sydney, Australia) | 2746 |
| Influence of divalent cations adsorption on the performance of electromembrane process Hong-Joo Lee (Gwangju), Min-Kyung Hong (Incheon) and Seung-Hyeon Moon (Gwangju, Korea) | 2760 |
| Degradation of methyl orange by pulsed corona discharge process in water Hyeon-don Lee, Jong-Oh Kim and Jae-Woo Chung (Gyeongnam, Korea) | 2767 |
| Liquid–liquid extraction of Li ⁺ using mixed ion carrier system at room temperature ionic liquid R.E.C. Torrejos, G.M. Nisola, Myoung Jun Park, A.B. Beltran, Jeong Gil Seo, Seong-Poong Lee and Wook-Jin Chung (Seoul, Korea) | 2774 |
| Investigation of pilot-scale 8040 FO membrane module under different operating conditions for brackish water desalination Jung Eun Kim, S. Phuntsho, F. Lotfi and Ho Kyong Shon (Sydney, Australia) | 2782 |
| Biodegradability evaluation of pollutants in acrylonitrile wastewaters based on particle size distribution Guangxu Yan, Bin Cai, Chunmao Chen, Qinghong Wang and Shaohui Guo (Beijing, China) | 2792 |
| A brief review on possible approaches towards controlling sulfate-reducing bacteria (SRB) in wastewater treatment systems Ze-hua Liu (Guangzhou, China and Singapore), A.M. Maszenan, Yu Liu and Wun Jern Ng (Singapore) | 2799 |
| Refining wastewater treatment using EGSB-BAF system Yu Wang, Guangxu Yan, Qinghong Wang, Chunmao Chen, Min Li and Shaohui Guo (Beijing, China) | 2808 |
| Mechanism of removal of pharmaceuticals and personal care products by nanofiltration membranes Haiyan Yang and Xinmiao Wang (Beijing, China) | 2816 |
| Modeling of a monopolar ion-exchange membrane for nutrient salts removal Seoktae Kang (Gyeonggi-do, Korea), So-Ryong Chae (Sydney, Australia), Am Jang (Gyeonggi-do, Korea) and Jong-Oh Kim (Seoul, Korea) | 2825 |
| Characterization of hydrochar prepared from hydrothermal carbonization of peels of <i>Carya cathayensis sarg</i> Wei Yang, T. Shimanouchi and Y. Kimura (Okayama, Japan) | 2831 |
| Performance improvement in a two-stage thermophilic anaerobic membrane bioreactor using PVA-gel as biocarrier S. Chaikasem, P. Jacob and C. Visvanathan (Klong Luang, Thailand) | 2839 |
| Removal of geosmin with inter-chlorination using powdered activated carbon in full-scale WTP Tae Kyun Kim (Seoul, Korea) | 2850 |
| Nitrogen and phosphorus removal in an anaerobic (UASB)-aerobic (ABF) sewage treatment system Dong-Jie Tian, Hyun-Sook Lim, Jin Chung and Hang-Bae Jun (Cheongju, Korea) | 2856 |
| Author Index | 2866 |