



Optimization of enhanced sand filtration with secondary-flocculation for polluted water treatment Yan Zhang (Hangzhou, China and Edmonton, Canada), Hongyuan Liu and Yang Liu (Hangzhou, China)	2867
An empirical evaluation of an integrated incline solar water desalination system with spray jets variation O. Phillips Agboola (Riyadh, Saudi Arabia) and F. Egelioglu (Mersin, Turkey)	2875
Permeability and morphology study of polysulfone composite membrane blended with nanocrystalline cellulose Haolong Bai, Xuan Wang, Haibo Sun and Liping Zhang (Beijing, China)	2882
Integrity of PVC membranes after sequential cleaning with hypochlorite and citric acid Yong-Mei Liang, Xiao-Dong Lin, Zai-Li Zhang, Jun Lu, Ling Zhang and Wei Liu (Guangzhou, China)	2897
Removal of fluoride from aqueous media by magnesium oxide-coated nanoparticles N. Minju, K. Venkat Swaroop, K. Haribabu, V. Sivasubramanian (Kozhikode) and P. Senthil Kumar (Chennai, India)	2905
Solar photocatalytic degradation of 4-chlorophenol: mechanism and kinetic modelling A.M. Abeish, H. Ming Ang and H. Znad (Perth, Australia)	2915
Fenton's oxidation of para-chlorophenol with zero-valent iron A.S. Mohammadi, M. Sardar and M. Almasian (Khorramabad, Iran)	2924
A comprehensive method for the evaluation of biological nutrient removal potential of wastewater treatment plants Zhen Zhou, Can Xing, Zhichao Wu, Jianguo Tang, Aiping Zhang and Ying An (Shanghai, China)	2931
Rate control-based strategy to enhance biological nitrogen removal during anoxic/oxic sludge digestion Xinyan Zhang, Dangcong Peng, Yu Guo, Cui Yang and Binbin Wang (Xi'an, China)	2939
Remediation of contaminated water from nitrate and diazinon by nanofiltration process P. Mahmoodi, H. Hosseinzadeh Borazjani, M. Farhadian and A.R. Solaimany Nazar (Isfahan, Iran)	2948
Effects of micro-organism growth phase on the accumulation and characteristics of soluble microbial products in MBR Chun Xiao, Hongqiang Ren, Yan Zhang, Ke Xu, Jinju Geng, Lili Ding, Jin Hu and Tingting Zhang (Nanjing, China)	2954
Adsorption characteristics of reactive black 5 onto chitosan-intercalated monmorillonite C. Umpuch and S. Sakaew (Ubon Ratchathani, Thailand)	2962
Decolorization of rhodamine B using hydrogen peroxide and $H_3PW_{12}O_{40}@C$ photocatalyst synthesized <i>in situ</i> under ultraviolet irradiation Changchao Zhan (Hangzhou and Jiujiang), Mingqiang Zhong, Feng Chen, Jintao Yang (Hangzhou), Xiaohua Cao and Xiaoping Jiang (Hangzhou and Jiujiang, China)	2970
Enhancement of adsorption efficiency of methylene blue on Co_3O_4/SiO_2 nanocomposite H.H. Abdel Ghafar (Khulais, Saudi Arabia and Cairo, Egypt), G.A.M. Ali (Assiut, Egypt and Kuantan, Malaysia), O.A. Fouad (Helwan, Egypt) and S.A. Makhlouf (Assiut, Egypt and Riyadh, Saudi Arabia).....	2980
Dynamic adsorption of anionic dyes by apricot shell activated carbon Julin Cao, Yunhai Wu, Yanping Jin, Palizhati Yilihan and Shengxin Yang (Nanjing, China)	2990
Bio-sand filter to treat arsenic contaminated drinking water S.H. Shah, Q. Mahmood, I.A. Raja, A. Pervez and A. Kalsoom (Abbottabad, Pakistan)	2999
Phytoaccumulation and effect of lead on yield and chemical composition of <i>Mentha crispa</i> essential oil Raquel A. Sá, Renata A. Sá, O. Alberton, Z.C. Gazim (Umuarama), A. Laverde Jr. (Londrina), J. Caetano (Toledo), A.C. Amorin (Rio de Janeiro) and D.C. Dragunski (Umuarama and Toledo, Brazil)	3007
Degradation of thiamethoxam in water by the synergy effect between the plasma discharge and the TiO_2 photocatalysis Shanping Li, Xiaohong Cao, Lijun Liu and Xiaolong Ma (Jinan, China)	3018

***Selected papers presented at the 16th International Conference
on Diffuse Pollution and Eutrophication (DIPCON)
18–23 August 2013, Beijing, China***

Fecal contamination in Yongin watershed: association to land use and land cover and stormwater quality M.C.A. Paule, J.-R.S. Ventura, S. Memon, Bum-Yeon Lee, Deokjin Jahng (Yongin), Min-Ji Kang (Incheon) and Chang-Hee Lee (Yongin, Korea)	3026
Characteristics of stormwater runoff from junkyard Je Chan Jeon, Koo Ho Kwon (Daegu), Yong Jun Jung (Pusan), Min-Ji Kang (Incheon) and Kyung Sok Min (Daegu, Korea)	3039
Contaminant loads of CSOs at the urban area in Korea KooHo Kwon, Sanghyueb Lee (Daegu), Yongjun Jung (Pusan) and Kyung-Sok Min (Daegu, Korea)	3048
Wet weather discharge characteristics of phosphorus and management implications in a mixed land-use watershed L.S.K. Alfonso, K.J. Madarang, Min Yong Lee, Dong Hoon Lee (Seoul), M.C.A. Paule, Chang-Hee Lee (Yongin) and Joo-Hyon Kang (Seoul, Korea)	3054
Water quality changes according to the midstream weir construction in the Yeongsan River, Korea Sung Min Cha (Gwangju), Min-Ji Kang (Incheon), Yongeun Park, Seung Won Lee and Joon Ha Kim (Gwangju, Korea)	3066
Fate and removal of nutrients in bioretention systems F.K.F. Geronimo, M.C. Maniquiz-Redillas and Lee-Hyung Kim (Cheonan, Korea)	3072
Optimal volume of non-point sources management detention considering spatio-temporal variability of land surface moisture condition Jeonghoon Lee (Busan), Jaeyoung Yoon (Sejong), Hyunsuk Shin and Sangdan Kim (Busan, Korea)	3080
Investigation of turbidity and suspended solids behavior in storm water run-off from different land-use sites in South Korea S. Memon, M.C. Paule, Bum-Yeon Lee, R. Umer, C. Sukhbaatar and Chang-Hee Lee (Yongin, Korea)	3088
Biological removal characteristics of phenol with filtration bio-reactor Yong-Jun Jung (Pusan, Korea), Y. Kiso (Toyohashi, Japan), Koo-Ho Kwon (Daegu, Korea), Y. Kamimoto (Nagoya, Japan) and Kyung-Sok Min (Daegu, Korea)	3096
Evaluation of a hybrid constructed wetland system for treating urban stormwater runoff Jiyeon Choi, F.K.F. Geronimo, M.C. Maniquiz-Redillas (Cheonan), Min-Ji Kang (Incheon) and Lee-Hyung Kim (Cheonan, Korea).....	3104
Drought assessment based on real-time drought index Kukryul Oh (Seoul), Insang Yu, Hayong Kim (Cheonan), Sangdan Kim (Busan), Lee-hyung Kim and Sangman Jeong (Cheonan, Korea)	3111
Development of a stormwater treatment system using bottom ash as filter media J.B. Gorme, M.C. Maniquiz-Redillas and Lee Hyung Kim (Cheonan, Korea)	3118
Laboratory study on the clogging potential of a hybrid best management practice J.M.R. Mercado, M.C. Maniquiz-Redillas and Lee Hyung Kim (Cheonan, Korea)	3126
Optimization of the design of an urban runoff treatment system using stormwater management model (SWMM) J.A.S. Tobio, M.C. Maniquiz-Redillas and Lee Hyung Kim (Cheonan, Korea).....	3134
Assessment of porous pavement effectiveness on runoff reduction under climate change scenarios Hwansuk Kim, Minjae Jung, K.J.B. Mallari, Gijung Pak (Sejong), Sangdan Kim (Busan), Sungpyo Kim, Leehyung Kim and Jaeyoung Yoon (Sejong, Korea)	3142
Author Index	3148