Contents

2333 Ethinylestradiol removal in a conventional and a simultaneous nitrification–denitrification membrane bioreactor
M. Paetkau, W. Yang and N. Cicek

2338 Trophic state evolution in a subtropical reservoir over 34 years in response to different management procedures

2345 Degradation of Reactive Brilliant Red X-3B by zero-valent iron/activated carbon system in the presence of microwave irradiation
Fei Pan, Yin Luo, Li-Rong Zhang and Jie Fu

2352 Antimicrobial resistance of fecal indicators in disinfected wastewater
A. Luczkiewicz, K. Jankowska, R. Bray, E. Kulbat, B. Quant, A. Sokolowska and K. Olanczuk-Neyman

2362 Working towards sustainable urban water management: the vulnerability blind spot
L. Werbeloff and R. Brown

2370 Photocatalytic reduction of Cr(VI) in a fully illuminated fluidized bed reactor
R. L. Pozzo, L. O. Conte, J. L. Giombi and M. A. Baltanás

2376 Domestic wastewater treatment by a constructed wetland system planted with rice
Suwasa Kantawanichkul and Wanida Duangjaisak

2381 SCORE-CT: a new method for testing effectiveness of sulfide-control chemicals used in sewer systems
Oriol Gutierrez, Gatut Sudarjanto, Keshab R. Sharma, Jurg Keller and Zhiguo Yuan

2389 A combined process of non-thermal plasma with sludge stabilization for the simultaneous reduction of odor and organic waste
S. Shin, H.-J. Hwang and J. Song

2395 Correlations between surrogate nitrogenous organic precursors and C-, N-DBP formation
H. H. Chang and G. S. Wang

2404 Effect of solution chemistry and operating conditions on the nanofiltration of acid dyes by a nanocomposite membrane
A. Akbari, M. Homayoonfal and V. Jabbari

2410 A metabolic network of a phosphate-accumulating organism provides new insights into enhanced biological phosphorous removal
Sergio Bordel

2417 Economic viability and critical influencing factors assessment of black water and grey water source-separation sanitation system
C. Thibodeau, F. Monette, M. Glaus and C. B. Laflamme

2425 Pleurotus ostreatus spent mushroom compost as green biosorbent for nickel (II) biosorption
Chia-Chay Tay, Hong-Hooi Liew, Ghufran Redzwan, Soon-Kong Yong, Salmijah Surif and Suhaimi Abdul-Talib
2433 Enhanced degradation of paracetamol by UV-C supported photo-Fenton process over Fenton oxidation
B. Manu and S. Mahamood

2439 Calculation of energy recovery and greenhouse gas emission reduction from palm oil mill effluent treatment by an anaerobic granular-sludge process
K. Y. Show, C. A. Ng, A. R. Faiza, L. P. Wong and L. Y. Wong

2445 Relationship between turbidity and total suspended solids concentration within a combined sewer system
A. Hannouche, G. Chebbo, G. Ruban, B. Tassin, B. J. Lemaire and C. Joannis

2453 Rapid and specific detection of Salmonella in water samples using real-time PCR and High Resolution Melt (HRM) curve analysis
G. N. van Blerk, L. Leibach, A. Mabunda, A. Chapman and D. Louw

2460 Struvite crystallization versus amorphous magnesium and calcium phosphate precipitation during the treatment of a saline industrial wastewater
D. Crutchik and J. M. Garrido

2468 Electricity generation in low cost microbial fuel cell made up of earthenware of different thickness
M. Behera and M. M. Ghangrekar

2474 The possible reduction pathways of 2,4,6-trinitrotoluene (TNT) by sulfide under simulated anaerobic conditions
Hua Qiao, Hua-jun Feng, Shao-ying Liu, Chao-jun Wang, Yuan Zhang, Yan-ni Gao, Wen-bing Li, Jun Yao, Mei-zhen Wang and Dong-sheng Shen

2483 Evolution of a new surface water quality index for Karoon catchment in Iran
F. Babaei Semiromi, A. H. Hassani, A. Torabian, A. R. Karbassi and F. Hosseinzadeh Lotfi

2492 A two steps solution approach to solving large nonlinear models: application to a problem of conjunctive use
J. Vieira and M. C. Cunha

2500 Membrane filtration and sonication for industrial wastewater reuse
C. Caretti, E. Coppini, E. Fatarella and C. Lubello

2508 Removal of ammonium from aqueous solutions using the residue obtained from struvite pyrogenation
Haiming Huang, Qianwu Song and Chunlian Xu