Contents

429 A review of methods for burst/leakage detection and location in water distribution systems
Rui Li, Haidong Huang, Kunlun Xin and Tao Tao

442 A review of different drinking water treatments for natural organic matter removal
Yue Zhang, Xinhua Zhao, Xinbo Zhang and Sen Peng

456 A shared view of the integrated urban water management practices in Malaysia
K. Y. Foo

474 Experimental study of solute mixing at double-Tee junctions in water distribution systems
Tingchao Yu, Liang Tao, Yu Shao and Tuqiao Zhang

483 Study on dam risk classification in China
Xingbo Zhou, Jianping Zhou, Xiaohu Du and Shouyi Li

490 A water balance approach to assess rainwater availability potential in urban areas: the case of Beijing, China
Wen Liu, Weiping Chen, Chi Peng, Laosheng Wu and Yuguo Qian

499 Performance indices for water network partitioning and sectorization

510 Effect of heat treatment on fouling resistance and the rejection of small and neutral solutes by reverse osmosis membranes

517 Numerical analysis of roll waves in chutes
Jalal Bazargan and Behrouz Aghabat

525 READ-As and GEH sorption materials for the removal of antimony from water
Ján Ilavský, Danko Barloková, Pavol Hudec and Karol Munka

533 Adsorption and photocatalytic degradation of metaldehyde in aqueous solution
Jong Kyu Kim and Luiza Cintra Campos

541 Periodic pattern extraction and anomaly detection for free chlorine in drinking water network
Haifeng Zhao, Dibo Hou, Pingjie Huang and Guangxin Zhang

552 Water resource management based on trade-off analysis of multi-dimensional critical regulation and control indicators
Qiang Fu, Changhong Zhu, Qiuxiang Jiang, Hao Guo and Ke Zhao
Evaluation of the solar photocatalytic degradation of organochlorine compound trichloroethanoic acid using titanium dioxide and zinc oxide in the Caribbean region

K. Tota-Maharaj and P. Paul

Comparison of a native clay soil and an engineered clay used in experimental ceramic pot filter fabrication

L. Hubbel, A. C. Elmore and M. Reidmeyer

Managed aquifer recharge: state-of-the-art and opportunities

Robert G. Maliva

Contributions of spatial, temporal, and treatment impacts on natural organic matter character using fluorescence-based measures

Nicolás M. Peleato and Robert C. Andrews

Effects of different coagulants on flocculation performance and floc properties in northwest China raw water treatment

Jian Liu, Jinguo He, Yixing Yuan and Jie Zhang

Assessment of the surface water quality ranking in Mudan River using multivariate statistical techniques

Baoling Liu, Gang Li, Hong You and Mingrui Sui

Impact of extracted algogenic organic matter on coagulation performance

Linan Xing, Christopher W. K. Chow, Jiane Zuo, Dongsheng Wang, Rolando Fabris, John van Leeuwen and Mary Drikas

Desalination of seawater through progressive freeze concentration using a coil crystallizer

Farah Hanim Ab. Hamid, Norfatiha A. Rahim, Anwar Johari, Norzita Ngadi, Zaki Yamani Zakaria and Mazura Jusoh

Screening reactive materials as permeable barriers to treat lead and benzene contaminated groundwater

Franklin Obiri-Nyarko, Jolanta Kwiatkowska-Malina and Tomasz Kasela

Nitrate reduction in reactive swales at low temperatures: full-size field system vs. technical scale

D. Wicke, P. Rouault, B. Krause Camilo, C. Pagotto, M. Dechesne and E. Soyeux

Assessment of various carbon-based adsorbents for separation of BTX from aqueous solution

Husam Faiz Haddad, Azhagapillai Prabhu, Ahmed Al Shoaiibi and Chandrasekar Srinivasakannan

Customization of the OSSEM model for application to annual data from the Talar aquifer, Northern Iran

Nazila Sedaei, Abolghasem Akbari, Leila Sedaei and Jonathan Peter Cox