Contents

181 Determination of antimony in bottled water and polyethylene terephthalate bottles: a routine laboratory quality check
José Brandão, Mambo Moyo and Jonathan Okonkwo

189 Removal of arsenic from a deep well by electrocoagulation in a continuous filter press reactor
Ruth Alcacio, José L. Nava, Gilberto Carreño, Enrique Elorza and Francisco Martinez

196 A novel approach using a fouling index to evaluate NOM fouling behavior in a low pressure ultrafiltration process
Ping Xiao, Weijun Zhang, Feng Xiao, Zhe Bi and Dongsheng Wang

205 Water demand: the Austrian end-use study and conclusions for the future
Roman Neunteufel, Laurent Richard and Reinhard Perfler

212 Free radical destruction of haloacetic acids in aqueous solution
Jun Xu, William J. Cooper and Weihua Song

220 Impact of rainwater harvesting systems on nutrient and sediment concentrations in roof runoff
Kathy M. DeBusk and William F. Hunt III

230 Removal of microcystin-LR from water by polymers based on N-vinylformamide structure
Jan Bialczyk, Andrzej Kochanowski, Urszula Czaja-Prokop and Ewelina Chrapusta

238 Oxidized fulvic acid adsorption on activated carbon
Ivan Kozyatnyk, Joanna Świetlik, Ursula Raczyk-Stanisławski, Nataliya Klymenko and Jacek Nawrocki

246 Long-term studies on hybrid ceramic microfiltration for treatment of surface water containing high dissolved organic matter
A. Abeynayaka, C. Visvanathan, S. Khandarith, T. Hashimoto, H. Katayama, Y. Matsui and D. R. I. B. Werellagama

255 Groundwater quality assessment of a freshwater wetland in the Selangor (Malaysia) using electrical resistivity and chemical analysis
Mahmoud Khaki, Ismail Yusoff and Nur Islami

265 Endospore recovery from large volumes using fieldable ultrafiltration for the diagnosis of drinking water treatment plants
Karim Helmi, Stephen Lamart, Fabienne David, Alain Vidal, Gaëlle Méheut, Marie-Pierre Jaffrezic, Sandrine Oberti and Nadine Charmi-Ben-Tabassi

274 Biofilm formation and permeate quality improvement in Gravity Driven Membrane ultrafiltration
A. Chomiak, J. Mimoso, S. Koetzsch, B. Sinnet, W. Pronk, N. Derlon and E. Morgenroth

283 Assessment of a rainwater harvesting system for pollutant mitigation at a commercial location in Raleigh, NC, USA
Corinne E. Wilson, William F. Hunt III, Ryan J. Winston and Patrick Smith
291 Methodological considerations when conducting bench scale polychromatic ultraviolet irradiation of water
Ian Mayor-Smith and Michael R. Templeton

299 Preliminary studies on removal of nitrate and hardness from ground water using polystyrene beads
M. Madhukar, S. P. Manjunath and Rohini V. Gopal

304 Virus removal efficiency of ceramic water filters: effects of bentonite turbidity
Cameron Farrow, Edward McBean and Hamidreza Salsali

312 Irrigation scheduling under water shortage: investigation of scion-rootstock of peach and water deficit combinations
Mohamed Ghrab, Mohamed Moncef Masmoudi, Mehdi Ben Mimoun and Netij Ben Mechlia

321 Adsorption of chlorinated acetic acids by quaternary ammonium cationic cellulose
Wenjian Shi, Haixin Gu, Xuan Chen, Yuanxing Huang, Wei Wu and Jingzhi Wang

329 Leakage estimation in water networks based on two categories of night-time users: a case study of a developing country network
P. K. Amoatey, R. Minke and H. Steinmetz

337 Flowmeter data validation and reconstruction methodology to provide the annual efficiency of a water transport network: the ATLL case study in Catalonia