

Contents

- 415 Modeling total microcystin production by *Microcystis aeruginosa* using multiple regression
Marianna Correia Aragão, Kelly Cristina dos Reis, Allan Clemente Souza, Maria Aparecida Melo Rocha and Jose Capelo Neto
- 427 Drinking water treatment and chemical well clogging by iron(II) oxidation and hydrous ferric oxide (HFO) precipitation
C. G. E. M. van Beek, C. H. M. Hofman-Caris and G. J. Zweere
- 438 The nature and kinetics of 2,4-dimethylphenol adsorption in aqueous solution on biochar derived from *Sargassum boveanum* macroalgae
Mazen K. Nazal, Durga Rao and Nabeel Abuzaid
- 453 Water quality index analysis for portable and bottled waters
Abdelkader T. Ahmed
- 469 Fate and fractionation of aluminum in a full-scale Al-based drinking water treatment plant
Hongyuan Liu, Haoran Liu and Yawei Xie
- 478 Concurrent removal of nitrate, fluoride and arsenic by mixed hydrous bismuth oxide from water
Manish Ranjan and Prabhat Kumar Singh
- 500 Analysis of the changes and driving force of the water area in the Ulungur Lake over the past 40 years
Fan Gao, Bing He, Zhenglon Yan, Songsong Xue and Yizhen Li
- 512 Application of acoustic intelligent leak detection in an urban water supply pipe network
Zhang Xue, Lin Tao, Jiang Fuchun, Edmund Riehle, Hu Xiang, Ni Bowen and Rajendra Prasad Singh



