Contents

59 Hybrid energy system evaluation in water supply systems: artificial neural network approach and methodology
Fábio Gonçalves and Helena Ramos

73 Framework for feasibility assessment and performance analysis of riverbank filtration systems for water treatment
Saroj K. Sharma, Daniel Chaweza, Nelson Bosuben, Ekkehard Holzbecher and Gary Amy

82 Kinetic characteristics of oxidation of microcystin-LR at low concentration by chlorine and permanganate
Wei Li, Jinming Duan and Dennis Mulcahy

94 Adenovirus control in small drinking water systems: risks and strategies
Michal V. Simhon, John G. Minnery and Ron Hofmann

103 Rapid removal of bromate ion from water streams with an electrolytic flow cell
Naoyuki Kishimoto, Ayana Kishimoto and Akira Nakayama

111 A robust optimization approach for real-time multiple source drinking water blending problem
Wei Peng, Rene V. Mayorga and Syed Imran