Contents

1 Evaluation of sanitation and wastewater treatment technologies: case studies from India
M. Starkl, T. A. Stenström, E. Roma, M. Phansalkar and R. K. Srinivasan

12 Coupling ASM3 and ADM1 for wastewater treatment process optimisation and biogas production in a
developing country: case-study Surat, India
Carlos M. Lopez-Vazquez, Mayank Mithaiwala, Moustafa S. Moussa, Mark C. M. van Loosdrecht
and Damir Brdjanovic

26 Accelerating uptake of household latrines in rural communities in the Volta region of Ghana
Bernard Keraita, Peter Kjær Mackie Jensen, Flemming Konradsen, Maxwell Akple and
Thilde Rheinländer

35 Water quantity auditing of a Ghanaian beverage plant
Emmanuel Okoh Agyemang, Esi Awuah, Lawrence Darkwah, Richard Arthur and Gabriel Osei

42 Manufacture of a low-cost ceramic microporous filter for the elimination of microorganisms causing
common diseases
J. J. Simonis and A. K. Basson

51 An assessment of long-term biosand filter use and sustainability in the Artibonite Valley near
Deschapelles, Haiti
Andrew J. Sisson, Peter J. Wampler, Richard R. Rediske and Azizur R. Molla

61 Access, monitoring and intervention challenges in the provision of safe drinking water in rural Bihar, India
Raghavachari Srikanth

70 Water Diaries: generate intra-household water use data – generate water use behaviour change
K. Harriden

81 Assessment of knowledge, attitude and practice regarding water, sanitation and hygiene for people living
with HIV/AIDS
Hunachew Beyene and Dejene Hailu