Contents

117  Irrigation demand modelling using the UKCP09 weather generator: lessons learned
    Michael Green and E. K. Weatherhead

128  A methodology for quantifying global consumptive water use of coffee for sustainable production under
    conditions of climate change
    Nishadi Eriyagama, Yann Chemin and Ranjith Alankara

151  Optimal sampling network for monitoring the representative water quality of an entire reservoir on the
    basis of information theory
    Changhyoun Lee, Kyungrock Paik and Yosang Lee

163  Water and energy futures for Melbourne: implications of land use, water use, and water supply strategy
    S. J. Kenway, G. M. Turner, S. Cook and T. Baynes

176  Effects of changes in climatic variables on maize crop water requirements in Huang–Huai–Hai watersheds, China
    Xinli Mou, Xinghui Xia, Daoyi Gong, Qiang Liu, Qiong Wu and Jia Guo

192  Assessing water demands and coverage sensitivity to climate change in the urban and rural sectors in
    central Chile
    Francisco J. Meza, Sebastián Vicuña, Mark Jelinek, Eduardo Bustos and Sebastián Bonelli

204  Methodology for risk assessment of flash flood events due to climate and land-use changes: application to
    the Llobregat basin
    M. Velasco, À. Cabello, I. Escaler, J. I. Barredo and A. Barrera-Escoda

216  Climate change impact chains in the water sector: observations from projects on the East India coast
    Sibylle Kabisch, Ronjon Chakrabarti, Till Wolf, Wilhelm Kiewitt, Ty Gorman, Ashish Chaturvedi and
    Rachna Arora

233  An assessment of reservoir filling policies for the Grand Ethiopian Renaissance Dam
    Andrew King and Paul Block

244  Receptivity to sustainable urban water management in the South West Pacific
    M. S. Poustie, R. R. Brown and A. Deletic