

# Contents

<b>T. Hong, C. Ji and H. Park</b>	Integrated model for assessing the cost and CO <sub>2</sub> emission (IMACC) for sustainable structural design in ready-mix concrete	1
<b>C. Ezeah and C.L. Roberts</b>	Analysis of barriers and success factors affecting the adoption of sustainable management of municipal solid waste in Nigeria	9
<b>S.M. Bertolino, I.C.B. Rodrigues, R. Guerra-Sá, S.F. Aquino and V.A. Leão</b>	Implications of volatile fatty acid profile on the metabolic pathway during continuous sulfate reduction	15
<b>S. Giri, A.P. Nejadhashemi and S.A. Woznicki</b>	Evaluation of targeting methods for implementation of best management practices in the Saginaw River Watershed	24
<b>N. Baral</b>	Empirical analysis of factors explaining local governing bodies' trust for administering agencies in community-based conservation	41
<b>G.G. Forsyth, D.C. Le Maitre, P.J. O'Farrell and B.W. van Wilgen</b>	The prioritisation of invasive alien plant control projects using a multi-criteria decision model informed by stakeholder input and spatial data	51
<b>X. Sheng, L. Sun, Z. Huang, L. He, W. Zhang and Z. Chen</b>	Promotion of growth and Cu accumulation of bio-energy crop ( <i>Zea mays</i> ) by bacteria: Implications for energy plant biomass production and phytoremediation	58
<b>M. Bliem, M. Getzner and P. Rodiga-Laßnig</b>	Temporal stability of individual preferences for river restoration in Austria using a choice experiment	65
<b>M. Khemkhao, B. Nuntakumjorn, S. Techkarnjanaruk and C. Phalakornkule</b>	UASB performance and microbial adaptation during a transition from mesophilic to thermophilic treatment of palm oil mill effluent	74
<b>C. Berretta and J. Sansalone</b>	Fate of phosphorus fractions in an adsorptive-filter subject to intra- and inter-event runoff phenomena	83
<b>S. Mulugeta, R. Hindman, A.M. Olszewski, K. Hoover, K. Greene, M. Lieberman and S.A. Mauro</b>	Contamination level and location of recreational freshwater influence the ability to predict <i>Escherichia coli</i> concentration by qPCR targeting <i>Bacteroides</i>	95
<b>B. Hillman, E.M. Douglas and D. Terkla</b>	An analysis of the allocation of Yakima River water in terms of sustainability and economic efficiency	102

*Continued from outside back cover*

<b>J. Jean, Y. Perrodin, C. Pivot, D. Trepo, M. Perraud, J. Droguet, F. Tissot-Guerraz and F. Locher</b>	Identification and prioritization of bioaccumulable pharmaceutical substances discharged in hospital effluents	113
<b>A. Miettinen, K. Hyytiäinen and A. Mäkinen</b>	Production costs of biodiversity zones on field and forest margins: A case study in Finland	122
<b>A. Nagrodski, G.D. Raby, C.T. Hasler, M.K. Taylor and S.J. Cooke</b>	Fish stranding in freshwater systems: Sources, consequences, and mitigation	133
<b>M. Glavan, S.M. White and I.P. Holman</b>	Water quality targets and maintenance of valued landscape character – Experience in the Axe catchment, UK	142
<b>J. Goven, E.R.(Lisa) Langer, V. Baker, J. Ataria and A. Leckie</b>	Community engagement in the management of biosolids: Lessons from four New Zealand studies	154
<b>W.D. Bowman, J. Murgel, T. Blett and E. Porter</b>	Nitrogen critical loads for alpine vegetation and soils in Rocky Mountain National Park	165