

CONTENTS

| | |
|---|-----|
| Can air humidity and temperature regimes within cloud forest canopies be predicted from bryophyte and lichen cover? S.P. Batke (Dublin, Ireland and Lincolnshire, UK), B.R. Murphy (Dublin, Ireland), N. Hill (Lincolnshire, UK) and D.L. Kelly (Dublin, Ireland)..... | 1 |
| Management intensification effects on autotrophic and heterotrophic soil respiration in subtropical grasslands J.B. Adewopo, M.L. Silveira, S. Xu (Ona, FL, USA), S. Gerber, L.E. Sollenberger and T. Martin (Gainesville, FL, USA)..... | 6 |
| Planktonic indices in the evaluation of the ecological status and the trophic state of the longest lake in Poland E.A. Dembowska, P. Napiórkowski, T. Mieszczankin and S. Józefowicz (Toruń, Poland) | 15 |
| Development and application of an integrated sustainability index for small-holder dairy farms in Rajasthan, India P. Chand (Jabalpur, India), S. Sirohi and S.K. Sirohi (Karnal, India) | 23 |
| Development of a nature value index for pastoral farmland—A rapid farm-level assessment P. Boyle (Sligo, Ireland), M. Hayes, M. Gormally (Galway, Ireland), C. Sullivan and J. Moran (Sligo, Ireland) | 31 |
| $\delta^{15}\text{N}$ of estuarine fishes as a quantitative indicator of urbanization C. Morris, S.Y. Lee and J. van de Merwe (Southport, Australia)..... | 41 |
| Application of the normalization process in the survey of atmospheric deposition of heavy metals in Albania through moss biomonitoring L. Bekteshi (Elbasan, Albania), P. Lazo (Tirana, Albania), F. Qarri (Vlora, Albania) and T. Stafilov (Skopje, Macedonia) | 50 |
| Monitoring the natural attenuation of a sewage sludge toxicity using the <i>Allium cepa</i> test D.E.C. Mazzeo, T.C.C. Fernandes (Rio Claro, Brazil), C.E. Levy (Campinas, Brazil), C.S. Fontanetti and M.A. Marin-Morales (Rio Claro, Brazil) | 60 |
| <i>Salicornia</i> spp. as a biomonitor of Cu and Zn in salt marsh sediments C. Smillie (Cornwall, UK) | 70 |
| Mapping paddy rice areas based on vegetation phenology and surface moisture conditions B. Qiu, W. Li (Fuzhou, China), Z. Tang (Lincoln, NE, USA), C. Chen and W. Qi (Fuzhou, China) | 79 |
| Selection and modeling sustainable urbanization indicators: A responsibility-based method J. Zhou (Jinan, PR China and Chongqing, PR China), L. Shen, X. Song (Chongqing, PR China) and X. Zhang (Hong Kong, China) | 87 |
| An empirical study of the environmental Kuznets curve for environmental quality in Gansu province L. Wang, D. Zhou (Nanjing, China), Y. Wang (Lanzhou, China) and D. Zha (Nanjing, China) | 96 |
| The response of phytoplankton community to anthropogenic pressure gradient in the coastal waters of the eastern Adriatic Sea Ž. Ninčević-Gladan, M. Bužančić, G. Kušpilić, B. Grbec, S. Matijević, S. Skejić, I. Marasović and M. Morović (Split, Croatia) | 106 |
| Introducing a new method for assessing spatially explicit processes of landscape fragmentation S. Li and B. Yang (Logan, UT, USA)..... | 116 |

(Contents continued on inside back cover)

| | |
|---|-----|
| Prediction of soil heavy metal distribution using Spatiotemporal Kriging with trend model Y. Yang (Wuhan, China and China and San Diego, CA, USA), J. Wu and G. Christakos (Hangzhou, China) | 125 |
| Quantifying the ecological stability of a phytoplankton community: The Lake Kinneret case study A. Parparov, G. Gal and T. Zohary (Israel) | 134 |
| Wild bison as ecological indicators of the effectiveness of management practices to increase forage quality on open rangeland D.H. Ranglack and J.T. du Toit (Logan, UT, USA) | 145 |
| Quantifying the multiple facets of isotopic diversity: New metrics for stable isotope ecology J. Cucherousset (Toulouse, France) and S. Villéger (Montpellier, France) | 152 |
| Physiological and metabolic adjustments of <i>Hoplosternum littorale</i> (Teleostei, Callichthyidae) during starvation A. Rossi, J. Cazenave, C. Bacchetta, M. Campana and M.J. Parma (Santa Fe, Argentina). | 161 |
| Setting reference conditions for mesohaline and oligohaline macroinvertebrate communities <i>sensu</i> WFD: Helping to define achievable scenarios in basin management plans P.A. Vinagre, A.J. Pais-Costa, J.C. Marques and J.M. Neto (Coimbra, Portugal) | 171 |
| Using landscape metrics to analyze micro-scale soil erosion processes A.M. da Silva (Sorocaba, Brazil), C.H. Huang (West Lafayette, IN, USA), W. Francesconi (Lima, Peru), T. Saintil and J. Villegas (USA) | 184 |
| Human well-being differs by community type: Toward reference points in a human well-being indicator useful for decision support R.S. Fulford, L.M. Smith, M. Harwell, D. Dantin, M. Russell and J. Harvey (Gulf Breeze, FL, USA) | 194 |
| Classification and change detection of built-up lands from Landsat-7 ETM+ and Landsat-8 OLI/TIRS imageries: A comparative assessment of various spectral indices R.C. Estoque and Y. Murayama (Ibaraki, Japan) | 205 |
| Tourism sustainability in Tibet – Forward planning using a systems approach J. Zhang, M. Ji and Y. Zhang (China). | 218 |
| Water Footprint in paddy rice systems. Its determination in the provinces of Santa Fe and Entre Ríos, Argentina R.P. Marano (Santa Fe, Argentina) and R.A. Filippi (Santa Fe, Argentina and Entre Ríos, Argentina) | 229 |
| Wetland habitat disturbance best predicts metrics of an amphibian index of biotic integrity M.A. Stapanian (Sandusky, OH, USA), M. Micacchion (Hilliard, OH, USA) and J.V. Adams (Ann Arbor, MI, USA). | 237 |
| Corrigendum to “A novel method for quantitatively evaluating agricultural vulnerability to climate change” [Ecol. Indic. 48 (2015) 49–54] Z. Dong, Z. Pan, P. An, L. Wang, J. Zhang (Beijing, China and Wuchuan, China), D. He, H. Han (Beijing, China) and X. Pan (Beijing, China and Wuchuan, China) | 243 |