

# CONTENTS

Inferring nitrogen deposition from plant community composition R.J. Payne, S.J.M. Caporn (Manchester, UK), C.J. Stevens (Lancaster, UK and Milton Keynes, UK), J.A. Carroll (Manchester, UK and Lancaster, UK), J.L. Edmondson (Manchester, UK and Sheffield, UK), D.J. Gowing (Derbyshire, UK) and N.B. Dise (Manchester, UK) .....	1
Review and quantitative meta-analysis of diet suggests the Eurasian otter ( <i>Lutra lutra</i> ) is likely to be a poor bioindicator N. Reid, D. Thompson (Belfast, UK), B. Hayden (Belfast, UK and Helsinki, Finland), F. Marnell (Dublin, Ireland) and W.I. Montgomery (Belfast, UK) .....	5
An algorithmic and information-theoretic approach to multimetric index construction D.R. Schoolmaster Jr., J.B. Grace (Lafayette, LA, USA), E.W. Schweiger (Fort Collins, CO, USA), G.R. Guntenspergen (Laurel, MD, USA), B.R. Mitchell (Woodstock, VT, USA), K.M. Miller (Bar Harbor, ME, USA) and A.M. Little (Menomonie, WI, USA) .....	14
River health assessment in a large river: Bioindicators of fish population Y.T. Jia and Y.F. Chen (Wuhan, People's Republic of China) .....	24
Modelling and quantification of Eco-functional Index: The concept and applications of eco-functional assessment S.S. Muthu, Y. Li, J.-Y. Hu, P.-Y. Mok (Hong Kong, China) and M. Lin (Hong Kong, China and Guangzhou, China) .....	33
Indicator species of broad-leaved oak forests in the eastern Iberian Peninsula B. Vilches (Madrid, Spain), M. De Cáceres (Solsona, Spain), D. Sánchez-Mata and R.G. Gavilán (Madrid, Spain) .....	44
Addressing the complexity in non-linear evolution of vegetation phenological change with time-series of remote sensing images E. Ivits, M. Cherlet, S. Sommer and W. Mehl (Ispra, Italy) .....	49
A review on the indicator water footprint for the EU28 D. Vanham and G. Bidoglio (Ispra, Italy) .....	61
Multi-criteria decision analysis to select metrics for design and monitoring of sustainable ecosystem restorations M. Convertino (Gainesville, FL, USA), K.M. Baker, J.T. Vogel (Concord, MA, USA), C. Lu (Cambridge, MA, USA), B. Suedel (Vicksburg, MS, USA) and I. Linkov (Vicksburg, MS, USA and Pittsburgh, PA, USA) .....	76
Indicators for assessing socioeconomic sustainability of bioenergy systems: A short list of practical measures V.H. Dale, R.A. Efroymsen, K.L. Kline (Oak Ridge, TN, USA), M.H. Langholtz, P.N. Leiby, G.A. Oladosu, M.R. Davis, M.E. Downing and M.R. Hilliard (Oak Ridge, TN, USA and USA) .....	87
Improving the efficiency of conservation policies with the use of surrogates derived from remotely sensed and ancillary data A. Viña (East Lansing, MI, USA), X. Chen (Chapel Hill, NC, USA), W. Yang, W. Liu, Y. Li (East Lansing, MI, USA), Z. Ouyang (Beijing, China) and J. Liu (East Lansing, MI, USA) .....	103
Assessing effects of radiation on abundance of mammals and predator-prey interactions in Chernobyl using tracks in the snow A.P. Møller (Orsay, France) and T.A. Mousseau (Columbia, SC, USA) .....	112
Estimating the spatial pattern of soil respiration in Tibetan alpine grasslands using Landsat TM images and MODIS data N. Huang (Beijing, China), J.-S. He (Beijing, China and Xining, China) and Z. Niu (Beijing, China) .....	117

Components of beta diversity in hierarchical sampling designs: A new approach D. Schmera (Basel, Switzerland and Tihany, Hungary) and J. Podani (Budapest, Hungary) . . . . .	126
Estimating soil sealing rate at national level—Italy as a case study M. Munafò, L. Salvati and M. Zitti (Rome, Italy) . . . . .	137
Spatial indicators of fishing pressure: Preliminary analyses and possible developments T. Russo, A. Parisi and S. Cataudella (Rome, Italy) . . . . .	141
On the use of sample indices to reflect changes in benthic fauna biodiversity J. Barry, S. Birchenough (Suffolk, UK), B. Norris (Canterbury, UK) and S. Ware (Suffolk, UK) . . . . .	154
Regional fish community indicators of landscape disturbance to catchments of the conterminous United States P.C. Esselman, D.M. Infante (East Lansing, MI, USA), L. Wang (Detroit, MI, USA), A.R. Cooper, D. Wieferich, Y.-P. Tsang, D.J. Thornbrugh and W.W. Taylor (East Lansing, MI, USA) . . . . .	163
Measuring the Insecurity Index of species in networks of protected areas using species distribution modeling and fuzzy logic: The case of raptors in Andalusia D.L. Díaz-Gómez, A.G. Toxopeus, T.A. Groen (Enschede, The Netherlands), A.R. Muñoz (Alegeciras, Spain), A.K. Skidmore (Enschede, The Netherlands) and R. Real (Malaga, Spain) . . . . .	174
Erratum to ‘Benthic foraminifera provide a promising tool for ecological quality assessment of marine waters’ [Ecol. Indic. 23 (2012) 66–75] V.M.P. Bouchet, E. Alve, B. Rygg (Oslo, Norway) and R.J. Telford (Bergen, Norway) . . . . .	183