

CONTENTS

Modeling and mapping the current and future climatic-niche of endangered Himalayan musk deer K.K. Khadka and D.A. James	1	Open data and open source for remote sensing training in ecology D. Rocchini, V. Petras, A. Petrasova, N. Horning, L. Furtkevicova, M. Neteler, B. Leutner and M. Wegmann	57
Kálmán filters for continuous-time movement models C.H. Fleming, D. Sheldon, E. Gurarie, W.F. Fagan, S. LaPoint and J.M. Calabrese	8	Simulating spatially-explicit crop dynamics of agricultural landscapes: The ATLAS simulator H. Thierry, A. Vialatte, J.-P. Choisis, B. Gaudou, H. Parry and C. Monteil	62
Protecting bias: Across time and ecology, open-source bat locality data are heavily biased by distance to protected area M. Fisher-Phelps, G. Cao, R.M. Wilson and T. Kingston	22	Exploring the connection between emergent animal personality and fitness using a novel individual-based model and decision tree approach B. MacPherson, M. Mashayekhi, R. Gras and R. Scott	81
The NUCOMBog R package for simulating vegetation, water, carbon and nitrogen dynamics in peatlands J.W.M. Pullens, M. Bagnara, R.S. González, D. Gianelle, M. Sottocornola, M.M.P.D. Heijmans, G. Kiely and F. Hartig	35	A prototype system for multilingual data discovery of International Long-Term Ecological Research (ILTER) Network data K. Vanderbilt, J.H. Porter, S.-S. Lu, N. Bertrand, D. Blankman, X. Guo, H. He, D. Henshaw, K. Jeong, E.-S. Kim, C.-C. Lin, M. O'Brien, T. Osawa, É. Ó Tuama, W. Su and H. Yang	93
A multi-temporal approach in MaxEnt modelling: A new frontier for land use/land cover change detection V. Amici, M. Marcantonio, N. La Porta and D. Rocchini	40		
LeafNet: A computer vision system for automatic plant species identification P. Barré, B.C. Stöver, K.F. Müller and V. Steinhage	50		