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# OIKOS

S Y N T H E S I S I N G E C O L O G Y

*“using a testing scheme that leads to overly optimistic evaluations, as is the case with any test on not fully independent test data, will lead to the selection of overfit models that can both lead to false insights in which factors are important to the distribution of a species and also lead to false predictions of which conditions are generally suitable to a species”*

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**Editors choice**

Testing the predictive performance of distribution models  
Invasibility as an emergent property of native metapopulation structure

321 Volker Bahn and Brian J. McGill  
332 Arnulf Koehncke, Arndt Telschow and Michio Kondoh

**Forum**

Interspecific facilitation and critical transitions in arid ecosystems  
Waste to hurry: dynamic energy budgets explain the need of wasting to fully exploit blooming resources

341 Mart Verwijmeren, Max Rietkerk, Martin J. Wassen and Christian Smit  
348 S. A. L. M. Kooijman

**Research**

Interspecific interactions affect species and community responses to climate shifts  
Endophytic fungus fine-tunes the persistence strategy of its alpine host grass in response to soil resource levels  
Using structural equation modelling to test the passenger, driver and opportunist concepts in a *Poa pratensis* invasion  
Does prey mobility affect niche width and individual specialization in hunting wasps? A network-based analysis  
Dispersal stochasticity mediates species richness in source–sink metacommunities  
Time as a constraint on the distribution of feral goats at high latitudes  
Size-selective fishing affects sex ratios and the opportunity for sexual selection in Alaskan sockeye salmon *Oncorhynchus nerka*  
Temporal variation in density dependent body growth of a large herbivore  
Reciprocal facilitation and non-linearity maintain habitat engineering on coral reefs  
Herbivore–vegetation feedbacks can expand the range of savanna persistence: insights from a simple theoretical model  
Predator size interacts with habitat structure to determine the allometric scaling of the functional response  
On the significance of belowground overyielding in temperate mixed forests: separating species identity and species diversity effects  
Trophic consequences of a biological invasion: do plant invasions increase predator abundance?

358 Alexander Singer, Justin M. J. Travis and Karin Johst  
367 Anaïs Gibert, Danièle Magda and Laurent Hazard  
377 Shannon R. White, Steven Tannas, Tan Bao, Jonathan A. Bennett, Edward W. Bork and James F. Cahill Jr.  
385 Carlo Polidori, Davide Santoro and Nico Blüthgen  
395 Miguel G. Matias, Nicolas Mouquet and Jonathan M. Chase  
403 Robin I. M. Dunbar and Jianbin Shi  
411 Neala W. Kendall and Thomas P. Quinn  
421 Ragnhild Moberg, Atle Myrseter, Øystein Holand and Gunnar Austrheim  
428 Yves-Marie Bozec, Laith Yakob, Sonia Bejarano and Peter J. Mumby  
441 Ricardo M. Holdo, Robert D. Holt and John M. Fryxell  
454 Benjamin J. Toscano and Blaine D. Griffen  
463 Andreas Jacob, Dietrich Hertel and Christoph Leuschner  
474 Jennifer A. Lau