

744
E 20/m
August 2014

esa

Volume 84 No. 3

Ecological

MONOGRAPHS

A PUBLICATION OF THE ECOLOGICAL SOCIETY OF AMERICA



Articles

Competition, predation, and migration: individual choice patterns of Serengeti migrants captured by hierarchical models

Modeling emergent patterns of dynamic desert ecosystems

Oceanographic and climatic variation drive top-down/bottom-up coupling in the Galápagos intertidal meta-ecosystem

Ecological Monographs

VOL. 84 • NO. 3 • AUGUST 2014

ISSN 0012-9615

CONTENTS

Articles

355

Competition, predation, and migration: individual choice patterns of Serengeti migrants captured by hierarchical models

• J. GRANT C. HOPCRAFT, J. M. MORALES, H. L. BEYER, MARKUS BORNER, EPHRAIM MWANGOMO, A. R. E. SINCLAIR, HAN OLFF, AND DANIEL T. HAYDON

373

Modeling emergent patterns of dynamic desert ecosystems

• J. STEWART, A. J. PARSONS, J. WAINWRIGHT, G. S. OKIN, B. T. BESTELMEYER, E. L. FREDRICKSON, AND W. H. SCHLESINGER

411

Oceanographic and climatic variation drive top-down/bottom-up coupling in the Galapagos intertidal meta-ecosystem

• LUIS R. VINUEZA, BRUCE A. MENGE, DIEGO RUIZ, AND DANIEL M. PALACIOS

435

Dispersal potential and population genetic structure in the marine intertidal of the eastern North Pacific

• MICHAEL N DAWSON, CYNTHIA G. HAYS, RICHARD K. GROSBEG, AND PETER T. RAIMONDI

457

Temperature effects on long-term population dynamics in a parasitoid-host system

• MATTHEW H. MEISNER, JASON P. HARMON, AND ANTHONY R. IVES

477

On tests of spatial pattern based on simulation envelopes

• ADRIAN BADDELEY, PETER J. DIGGLE, ANDREW HARDEGEN, THOMAS LAWRENCE, ROBIN K. MILNE, AND GOPALAN NAIR

491

Consensus RDA across dissimilarity coefficients for canonical ordination of community composition data

• F. GUILLAUME BLANCHET, PIERRE LEGENDRE, J. A. COLIN BERGERON, AND FANGLIANG HE

513

Behavior and nutritional condition buffer a large-bodied endotherm against direct and indirect effects of climate

• RYAN A. LONG, R. TERRY BOWYER, WARREN P. PORTER, PAUL MATHEWSON, KEVIN L. MONTEITH, AND JOHN G. KIE

Ecological Archives

Appendices and Supplements are available online: www.esapubs.org/archive

Instructions to Authors

Available online: www.esapubs.org/esapubs/AuthorInstructions

COVER PHOTO: Wildebeest migrate across the Serengeti ecosystem in search of fresh grazing while avoiding predators. Hopcraft et al. study the yearly phenomenon of the migration when over 1.5 million wildebeest and zebra converge on the nutritious short grass plains where predators can be seen from afar. However, as the ecosystem dries and the grasses senesce, these migrants are forced to navigate through the risky predator-rich northern woodlands looking for green grass until the following year (see pp. 355–372). Photo taken in the Lemuta Plain of the Ngorongoro Conservation Area, Serengeti Ecosystem, Africa. Photo credit: Daniel Rosengren.