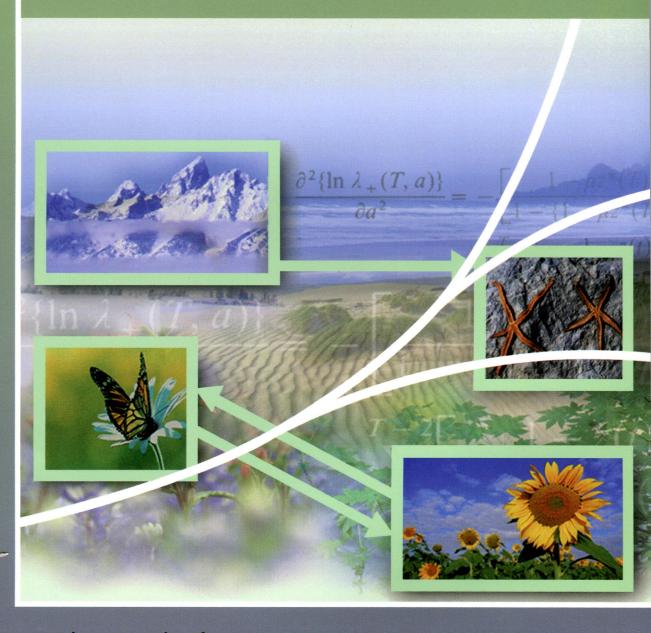


ECOLOGICAL MODELLING

An International Journal on **ECOLOGICAL MODELLING AND SYSTEMS ECOLOGY**



Editor-in-chief **Brian D. Fath**

Ecological Modelling

Volume 269, Pages 1-126 (10 November 2013)

Title Page

Page iii

Which environmental factors control phytoplankton populations? A Bayesian variable selection approach

Original Research Article

Pages 1-8

Crispin M. Mutshinda, Zoe V. Finkel, Andrew J. Irwin

Estimating optimal complexity for ecological niche models: A jackknife approach for species with small sample sizes

Original Research Article
Pages 9-17

Mariya Shcheglovitova, Robert P. Anderson

Improving the realism of random walk movement analyses through the incorporation of habitat bias

Pages 18-20

Catherine L. Proulx, Lorraine Proulx, Gabriel Blouin-Demers

Individual-based model of the phenology of egg-bearing copepods: Application to Eurytemora affinis from the Seine estuary, France

Original Research Article

Pages 21-36

Gaël Dur, Raquel Jiménez-Melero, Delphine Beyrend-Dur, Jiang-Shiou Hwang, Sami Souissi

A linked hydrodynamic, water quality and algal biomass model for a large, multi-basin lake: A working management tool

Original Research Article

Pages 37-50

Weitao Zhang, Sue B. Watson, Yerubandi R. Rao, Hedy J. Kling

Evaluation of modeling of water ecohydrologic dynamics in soil-root system

Review Article

Pages 51-60 R. Kumar, M.K. Jat, V. Shankar

Tracking shifting range margins using geographical centroids of metapopulations weighted by population density

Original Research Article

Pages 61-69

Michael J. Watts, Damien A. Fordham, H. Resit Akçakaya, Matthew E. AielloLammens, Barry W. Brook

Comparison of several approaches representing terrestrial and in-stream nutrient retention and decomposition in watershed modelling

Original Research Article

Pages 70-85

Cornelia Hesse, Valentina Krysanova, Tobias Vetter, Julia Reinhardt

Modelling the biomass of functional groups of fish in an archipelago bay of the Baltic Sea

Original Research Article

Pages 86-97

Andreas C. Bryhn, Henrik Ragnarsson Stabo, Jens Olsson

SWAT plant growth modification for improved modeling of perennial vegetation in the tropics

Original Research Article

Pages 98-112

Michael Strauch, Martin Volk

The impact of marine closed areas on fishing yield under a variety of management strategies and stock depletion levels

Original Research Article

Pages 113-125

Belinda Barnes, Harvinder Sidhu