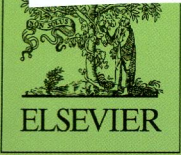


74
E 22 / ml

Volume 268, 24 October 2013

ISSN 0304-3800



ECOLOGICAL MODELLING

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



Editor-in-chief
Brian D. Fath

Ecological Modelling

Volume 268, Pages 1-134 (24 October 2013)

Editorial Board

Page iii

Do indirect interactions always contribute to net indirect facilitation?

Original Research Article

Pages 1-8

Sa Xiao, Richard Michalet

Modelling plant population size and extinction thresholds from habitat loss and habitat fragmentation: Effects of neighbouring competition and dispersal strategy

Original Research Article

Pages 9-17

Jinbao Liao, Zhenqing Li, David E. Hiebeler, Magdy El-Bana, Gaby Deckmyn, Ivan Nijs

Modeling response of frosted flatwoods salamander populations to historic and predicted climate variables

Original Research Article

Pages 18-24

James D. Westervelt, Jinelle H. Sperry, Jennifer L. Burton, John G. Palis

Dynamics of a predator-prey interaction with seasonal reproduction and continuous predation

Original Research Article

Pages 25-36

Can Zhou, Masami Fujiwara, William E. Grant

Assessment of plain river ecosystem function based on improved gray system model and analytic hierarchy process for the Fuyang River, Haihe River Basin, China

Original Research Article

Pages 37-47

Tao Yang, Jingling Liu, Qiuying Chen

Application of Bayesian networks for sustainability assessment in catchment modeling and management (Case study: The

Hablehrood river catchment)

Original Research Article

Pages 48-54

A.R. Keshtkar, A. Salajegheh, A. Sadoddin, M.G. Allan

Combining simulated expert knowledge with Neural Networks to produce Ecological Niche Models for Latimeria chalumnae

Original Research Article

Pages 55-63

Gianpaolo Coro, Pasquale Pagano, Anton Ellenbroek

Development and testing of an object-oriented model for adaptively managing human disturbance of least tern (Sternula antillarum) nesting habitat

Original Research Article

Pages 64-77

William Kanapaux, Gregory A. Kiker

LARVAHS: Predicting clam larval dispersal and recruitment using habitat suitability-based particle tracking model

Original Research Article

Pages 78-92

Gorka Bidegain, Javier Francisco Bárcena, Andrés García, José Antonio Juanes

Modeling residence time with a three-dimensional hydrodynamic model: Linkage with chlorophyll a in a subtropical estuary

Original Research Article

Pages 93-102

Yongshan Wan, Chelsea Qiu, Peter Doering, Mayra Ashton, Detong Sun, Teresa Coley

No evidence requiring change in the risk assessment of Inachis io larvae

Pages 103-122

Joe N. Perry, Salvatore Arpaia, Detlef Bartsch, A. Nick E. Birch, Yann Devos, Achim Gathmann, Andrea Gennaro, Jozsef Kiss, Antoine Messéan, Sylvie Mestdagh, Marco Nuti, Jeremy B. Sweet, Christoph C. Tebbe

Identifying critical source areas of nonpoint source pollution with SWAT and GWLF

Original Research Article

Pages 123-133

Rewati Niraula, Latif Kalin, Puneet Srivastava, Christopher J. Anderson