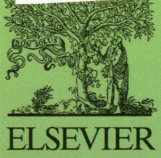


FM
E 22/m1



Volume 292, 24 November 2014

ISSN 0304-3800

ECOLOGICAL MODELLING

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



Editor-in-chief
Brian D. Fath

CONTENTS

(Abstracts/contents list published in: Biological Abstracts, Cambridge Scientific Abstracts, Elsevier BIOBASE/Current Awareness in Biological Sciences, Current Contents AB & ES, Ecological Abstracts, Ecology Abstracts, Environment Abstracts, Environmental Periodicals Bibliography (EPB)); Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

Vegetation-specific model parameters are not required for estimating gross primary production W. Yuan, W. Cai (Zhuhai, China), S. Liu (Changsha, China), W. Dong (Zhuhai, China), J. Chen (Nanjing, China and East Lansing, MI, USA), M.A. Arain (Hamilton, Canada), P.D. Blanken (Boulder, CO, USA), A. Cescatti (Ispra, Italy), G. Wohlfahrt (Innsbruck, Austria), T. Georgiadis (Bologna, Italy), L. Genesio (Firenze, Italy), D. Gianelle (San Michele all'Adige, Italy), A. Grelle (Uppsala, Sweden), G. Kiely (Cork, Ireland), A. Knohl (Göttingen, Germany), D. Liu (Zhuhai, China), M.V. Marek (Brno, Czech Republic), L. Merbold (Zurich, Switzerland), L. Montagnani (Bolzano, Italy), O. Panferov (Göttingen, Germany), M. Peltoniemi (Vantaa, Finland), S. Rambal (Montpellier, France), A. Raschi (Firenze, Italy), A. Varlagin (Moscow, Russia) and J. Xia (Zhuhai, China).....	1
C-TOOL: A simple model for simulating whole-profile carbon storage in temperate agricultural soils A. Taghizadeh-Toosi, B.T. Christensen, N.J. Hutchings, J. Vejlin (Tjele, Denmark), T. Kätterer (Uppsala, Sweden), M. Glendining (Herts, UK) and J.E. Olesen (Tjele, Denmark).....	11
Variance-based sensitivity analysis of BIOME-BGC for gross and net primary production R. Raj, N.A.S. Hamm, C. van der Tol and A. Stein (Enschede, The Netherlands).....	26
Coverage and invariance for the biological control of pests in mediterranean greenhouses M. Lloret-Climent, R. Amorós-Jiménez, L. González-Franco and J.-A. Nescolarde-Selva (Alicante, Spain).....	37
Ratio-dependent functional response emerges from optimal foraging on a complex landscape R. Liu (Laramie, WY, USA), D.L. DeAngelis (Coral Gables, FL, USA) and J.P. Bryant (Fairbanks, AK, USA).....	45
First 20 years of DNDC (DeNitrification DeComposition): Model evolution S.L. Gilhespy (Okehampton, UK), S. Anthony (Wolverhampton, UK), L. Cardenas (Okehampton, UK), D. Chadwick (Bangor, UK), A. del Prado (Bilbao, Spain), C. Li (Durham, NH, USA), T. Misselbrook (Okehampton, UK), R.M. Rees (Edinburgh, UK), W. Salas (Durham, NH, USA), A. Sanz-Cobena (Madrid, Spain), P. Smith (Aberdeen, UK), E.L. Tilston, C.F.E. Topp (Edinburgh, UK), S. Vetter and J.B. Yeluripati (Aberdeen, UK).....	51

