# International Journal of Agricultural and Environmental Information Systems

**April-June 2015, Vol. 6, No. 2** 

### **Table of Contents**

## Special Issue on "e-Innovation Challenges in Agriculture, Forestry and Environment" Part B

#### GUEST EDITORIAL PREFACE

iv Zacharoula S. Andreopoulou, Department of Forestry and Natural Environment, Artistotle University of Thessaloniki, Thessaloniki, Greece Garyfallos Arabatzis, Department of Forestry and Management of the Environment and Natural Resources, Democritus University of Thrace, Orestiada, Greece

### RESEARCH ARTICLES

- 1 Correlating Mushroom Habitats and Geology in Grevena Prefecture (Greece) with the Use of Geographic Information Systems (GIS)
  - Stefanos Tsiaras, Department of Forestry and Natural Environment, Aristotle University of Thessaloniki, Thessaloniki, Greece Christos Domakinis, Department of Physical and Environmental Geography, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 15 Image Quality Assessment and Outliers Filtering in an Image-Based Animal Supervision System

Ehsan Khoramshahi, Department of Agricultural Sciences, University of Helsinki, Helsinki, Finland Juha Hietaoja, Department of Agricultural Sciences, University of Helsinki, Helsinki, Finland Anna Valros, Faculty of Veterinary Medicine, University of Helsinki, Helsinki, Finland Jinhyeon Yun, Faculty of Veterinary Medicine, University of Helsinki, Helsinki, Finland Matti Pastell, Department of Agricultural Sciences, University of Helsinki, Helsinki, Finland

31 Application of Data Envelopment Analysis and Key Characteristics of Greek Agro-Firms

Christos Lemonakis, Department of Business Administration (Agios Nikolaos Branch), Technological Educational Institute of Crete, Heraclion, Greece

40 Mining Efficient Fuzzy Bio-Statistical Rules for Association of Sandalwood in Pachaimalai Hills

Delphin Sonia M, Department of Botany, Bishop Heber College, Trichy, India John Robinson P, Department of Mathematics, Bishop Heber College, Trichy, India Sebastian Rajasekaran A, Department of Botany, Bishop Heber College, Trichy, India

77 Analyzing the Location Decisions of Agro-Industrial Investments in Greece

Serafeim Polyzos, Department of Planning and Regional Development, University of Thessaly, Volos, Greece Dimitrios Tsiotas, Department of Planning and Regional Development, University of Thessaly, Volos, Greece Spyros Niavis, Department of Planning and Regional Development, University of Thessaly, Volos, Greece

#### Copyright

The International Journal of Agricultural and Environmental Information Systems (IJAEIS) (ISSN 1947-3192; eISSN 1947-3206), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Agricultural and Environmental Information Systems is indexed or listed in the following: Bacon's Media Directory; Compendex (Elsevier Engineering Index); DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory