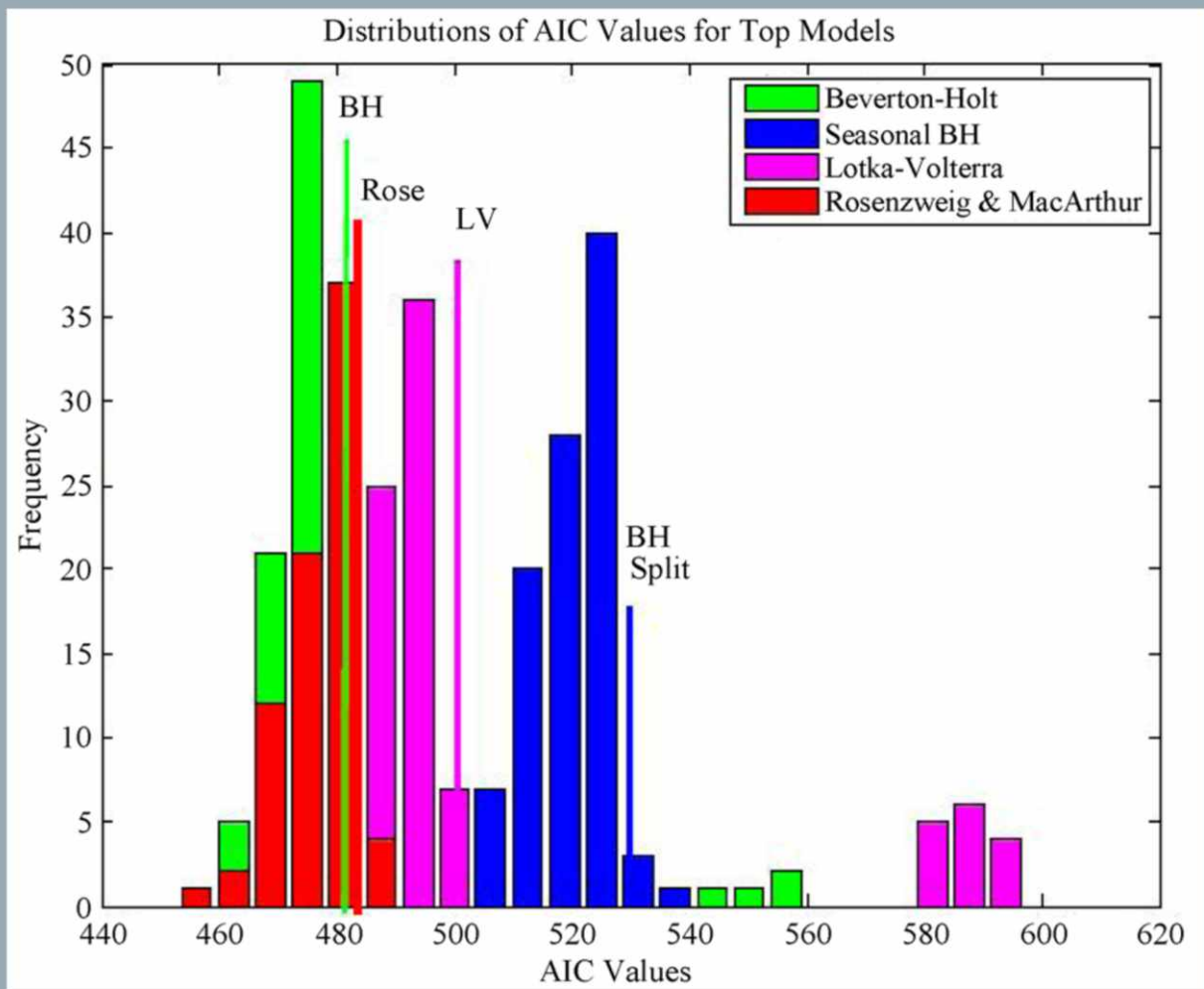


Open Journal of Ecology



ISSN: 2162-1985



Journal Editorial Board

ISSN: 2162-1985 (Print) ISSN: 2162-1993 (Online)

<http://www.scirp.org/journal/oje>

Editor-in-Chief

Dr. Victor R. Savage

National University of Singapore, Singapore

Editorial Board

Dr. Mikel A. Becerro

Spanish Scientific Research Council, Spain

Dr. Paolo Censi

University of Palermo, Italy

Prof. Baoshan Cui

Beijing Normal University, China

Prof. Michael B. K. Darkoh

University of Botswana, Botswana

Prof. Kartlos J. Kachiashvili

GC University Lahore, Pakistan

Dr. Douglas D. Kane

Defiance College, USA

Prof. Tasios Karathanasis

University of Kentucky, USA

Prof. Weidong Kong

Chinese Academy of Sciences, China

Prof. Pascal Laffaille

Institut National Polytechnique de Toulouse, France

Dr. Sang Don Lee

Ewha Womans University, South Korea

Prof. María R. M. Losada

Universidade de Santiago de Compostela, Spain

Prof. Korpela K. Mikael

University of Tampere, Finland

Dr. Richard Munang

United Nations Environment Programme, USA

Dr. Toshiaki Owari

The University of Tokyo, Japan

Prof. Francisco J. Rodríguez-Tovar

University of Granada, Spain

Prof. George Oliver Rogers

Texas A&M University, USA

Prof. Subramanya S. S. Sarma

National Autonomous University of Mexico, Mexico

Prof. Miklas Scholz

The University of Salford, UK

Prof. Qianlai Zhuang

Purdue University, USA

Table of Contents

Volume 5 Number 4

April 2015

Conservation of Forestry Biomass with the Use of Alternative Resource M. Agarwal, R. Pathak.....	87
Optimal Control of a Threatened Wildebeest-Lion Prey-Predator System in the Serengeti Ecosystem T. D. Sagamiko, N. Shaban, C. L. Nahonyo, O. D. Makinde.....	110
Canid Social Structure and Density Dependence Improve Predator-Prey Models of <i>Canis latrans</i> and <i>Lepus californicus</i> in Curlew Valley, UT S. Kay, J. Powell, F. Knowlton.....	120
Fuel Oil Production from Two-Stage Pyrolysis-Catalytic Reforming of Brominated High Impact Polystyrene Using Zeolite and Iron Oxide Loaded Zeolite Catalysts H. Wu, Y. F. Shen, D. C. Ma, Q. An, N. Harada, K. Yoshikawa.....	136
The Impact of Available Nitrogen Deficiency on Long-Term Changes in the Lake Kinneret Ecosystem M. Gophen.....	147

Open Journal of Ecology (OJE)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Ecology* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2015 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: oje@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org