

ISSN: 2162-1985 Vol. 2, No. 1, February 2012



Scientific
Research

Open Journal of Ecology



ISSN: 2162-1985



9 772162 198000 01

www.scirp.org/journal/oje

Journal Editorial Board

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

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

Editorial Board (According to Alphabet)

Dr. Mikel A. Becerro	Spanish Scientific Research Council, Spain
Dr. Paolo Censi	University of Palermo, Italy
Prof. Kartlos Joseph Kachiashvili	GC University Lahore, Pakistan
Prof. A. D. Karathanasis	University of Kentucky, USA
Prof. Pascal Laffaille	National Polytechnic Institute of Toulouse, France
Prof. María Rosa Mosquera Losada	University of Santiago de Compostela, Spain
Prof. Korpela Kalevi Mikael	University of Tampere, Finland
Dr. Richard Tingem Munang	United Nations Environment Programme, USA
Prof. Francisco J. Rodríguez-Tovar	University of Granada, Spain
Prof. George Oliver Rogers	Texas A&M University, USA
Prof. Miklas Scholz	The University of Salford, UK
Dr. Haralabos Tsolakis	University of Palermo, Italy

Editorial Assistant

Lilliam Chen Scientific Research Publishing, USA Email: oje@scirp.org

Guest Reviewers

Colin Chapman
Andy Dzialowski
Thomas Engel

Shivani Jadeja
Victor Ajibola Jimoh
Leigh C. Latta

Wenqing Lu
Monia Renzi

TABLE OF CONTENTS
Volume 2, Number 1, February 2012

Effects of tree sapling diversity and nutrient addition on herb-layer invasibility in communities of subtropical species
S. Both, T. Fang, M. Baruffol, B. Schmid, H. Bruelheide, A. Erfmeier.....1

Seed dispersal by Tana River mangabeys in fragmented gallery forests
D. M. Kimuyu, G. M. Wahungu, D. O. Otieno.....12

Photosynthetic toxicity and oxidative damage induced by nano-Fe₃O₄ on *Chlorella vulgaris* in aquatic environment
X. X. Chen, X. Zhu, R. Li, H. C. Yao, Z. S. Lu, X. Yang.....21

Salvage logging versus natural regeneration post-fire practices in a forest: Soil chemical and microbial aspects
O. Ginzburg, Y. Steinberger.....29

Water quality and water-use conflicts in lake taabo (ivory coast)
N. Grogga, A. Ouattara, S. Da Costa, A. Dauta, O. Beauchard, J. Moreau, G. Gourene, P. Laffaille.....38

Open Journal of Ecology (OJE)

Journal Information

SUBSCRIPTIONS

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

Subscription rates:

Print: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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



Call for Papers

Open Journal of Ecology (OJE)

ISSN: 2162-1985 (Print) ISSN: 2162-1993 (Online)
<http://www.scirp.org/journal/oje>

Open Journal of Ecology (OJE) is an international journal dedicated to the latest advancement of ecology. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and perspectives in diverse areas of ecology and to keep a record of state-of-the-art research.

Subject Coverage

The journal publishes original papers including but not limited to the following subfields:

- Aquatic ecosystem
- Autecology
- Biogeochemistry
- Community ecology
- Cultural ecology
- Ecological design
- Evolutionary ecology
- Human ecology
- Industrial ecology
- Landscape ecology
- Microbial ecology
- Molecular ecology
- Physiological ecology
- Plant ecology
- Population ecology
- Terrestrial ecosystem

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/oje> E-mail: oje@scirp.org