

Open Journal of Ecology



ISSN: 2162-1985



9 772162 198000 06

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

Journal Editorial Board

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

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

Editor-in-Chief

Prof. Baoshan Cui

Beijing Normal University, China

Editorial Board

Prof. Adel A. Abdelmageed

National Institute of Oceanography and Fisheries, Egypt

Prof. Eyualet Abebe

Elizabeth City State University, USA

Prof. Mohammad Mustapha Abubakar

Federal University Dutse, Nigeria

Dr. Paolo Censi

University of Palermo, Italy

Prof. Michael B. K. Darkoh

University of Botswana, Botswana

Prof. Bhupendra Devkota

Tribhuvan University, Nepal

Prof. Eutiquio L. Rotaquio Jr.

Aurora State College of Technology, Philippines

Prof. Kartlos J. Kachiashvili

GC University Lahore, Pakistan

Dr. Douglas D. Kane

Defiance College, USA

Prof. Tasios Karathanasis

University of Kentucky, USA

Dr. Mahamadou Moussa Keita

Rural Polytechnic Institute for Trainee and Applied Research
of Katibougou, Mali

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. Zhongqiang Li

Hubei University, China

Prof. María R. M. Losada

Universidade de Santiago de Compostela, Spain

Dr. Richard Munang

United Nations Environment Programme, USA

Dr. Toshiaki Owari

The University of Tokyo, Japan

Dr. Abdel Fattah N. Abd Rabou

Islamic University of Gaza, Palestine

Prof. Francisco J. Rodríguez-Tovar

University of Granada, Spain

Prof. George Oliver Rogers

Texas A&M University, USA

Dr. Victor R. Savage

National University of Singapore, Singapore

Prof. Miklas Scholz

The University of Salford, UK

Prof. Qianlai Zhuang

Purdue University, USA

Table of Contents

Volume 12 Number 6

June 2022

The Impact of Energy Produced by Civilization on Global Warming

V. Kh. Dobruskin.....325

Foodweb Trophic Level and Diet Inference Using an Extended Bayesian Stable Isotope Mixing Model

E. B. Erhardt, R. M. Wilson.....333

Assessment of Physical Characteristics of Bugang River Watershed in Pandan, Antique, Philippines

M. L. Raga-as, R. L. Saladar, J. C. Calaguio, R. L. Tano, G. M. C. Unlayao.....360

Ecosystem Services Evaluation of Karst New Urban Areas Based on Net Primary Productivity of Guanshanhu District, Guiyang, Guizhou Province, China

O. Deng, Y. Q. Li, R. S. Li, G. B. Yang.....377

Open Journal of Ecology (OJE)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Ecology* (Online at Scientific Research Publishing, <https://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 © 2022 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 © 2022 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



Call for Papers

Open Journal of Ecology (OJE)

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

Open Journal of Ecology (OJE) is an international journal dedicated to the latest advancements in 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:

- Animal Ecology
- Aquatic Ecosystem
- Autecology
- Biogeochemistry
- Community Ecology
- Cultural Ecology
- Ecological Design
- Ecological Effectiveness
- Ecological Impact of Climate Changes
- Ecosystem Services
- Environmental Ecology
- Evolutionary Ecology
- Human Ecology
- Industrial Ecology
- Landscape Ecology
- Marine Ecology
- Microbial Ecology
- Molecular Ecology
- Physiological Ecology
- Plant Ecology
- Population Ecology
- Resource Valuation
- 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

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

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: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org