

ISSN 2331-625X

Volume 13 Number 2 2025



Environment and Ecology Research

<http://www.hrpub.org>

Horizon Research Publishing, USA

Environment and Ecology Research

Environment and Ecology Research is an international peer-reviewed journal that publishes original and high-quality research papers in all areas of environment and ecology. As an important academic exchange platform, scientists and researchers can know the most up-to-date academic trends and seek valuable primary sources for reference. The subject areas include, but are not limited to the following fields: behavioural ecology, biodiversity, biogeography, coastal management, coevolution, community ecology, ecological complexity, ecosystem ecology, environmental policy, ethnoecology, fisheries management, human ecology, land management, landscape ecology, molecular ecology, population ecology, silviculture, social ecology, sustainability studies, toxicology, wildlife management.

General Inquires

Publish with HRPUB, learn about our policies, submission guidelines etc.
Email: editor@hrpub.org
Tel: +1-626-626-7940

Subscriptions (Electronic Version Only)

Journal Title: Environment and Ecology Research
Journal's Homepage: http://www.hrpub.org/journals/jour_info.php?id=40
Publisher: Horizon Research Publishing Co.,Ltd
Publication Frequency: bimonthly
Electronic Version: freely online available at http://www.hrpub.org/journals/jour_info.php?id=40

Online Submission

Manuscripts should be submitted by Online Manuscript Tracking System (<http://www.hrpub.org/submission.php>). If you are experiencing difficulties during the submission process, please feel free to contact the editor at submission@hrpub.org.

Copyright

Authors retains all copyright interest or it is retained by other copyright holder, as appropriate and agrees that the manuscript remains permanently open access in HRPUB 's site under the terms of the Creative Commons Attribution International License (CC-BY or CC-BY-NC). HRPUB shall have the right to use and archive the content for the purpose of creating a record and may reformat or paraphrase to benefit the display of the record.

Creative Commons Attribution License (CC-BY or CC-BY-NC)

All articles published by HRPUB will be distributed under the terms and conditions of the Creative Commons Attribution License (CC-BY or CC-BY-NC). So anyone is allowed to copy, distribute, and transmit the article on condition that the original article and source is correctly cited.

Open Access

Open access is the practice of providing unrestricted access to peer-reviewed academic journal articles via the internet. It is also increasingly being provided to scholarly monographs and book chapters. All original research papers published by HRPUB are available freely and permanently accessible online immediately after publication. Readers are free to copy and distribute the contribution under creative commons attribution-non commercial licence. Authors can benefit from the open access publication model a lot from the following aspects:

- High Availability and High Visibility-free and unlimited accessibility of the publication over the internet without any restrictions;
- Rigorous peer review of research papers----Fast, high-quality double blind peer review;
- Faster publication with less cost----Papers published on the internet without any subscription charge;
- Higher Citation----open access publications are more frequently cited.

Environment and Ecology Research

Editor-in-Chief

Prof. Patrick Armstrong University of Western Australia, Australia

Deputy Editor-in-Chief

Prof. Franco Palla University of Palermo, Italy

Prof. Marwa Shalaby Faculty of Engineering, Cairo University, Egypt

Dr. Richard Kotter Northumbria University, UK

Assoc. Prof. Dr. Norazli Binti Othman Faculty of Artificial Intelligence, Universiti Teknologi Malaysia, Malaysia

Members of Editorial Board

Prof. Chiara D'Alpaos University of Padova, Italy

Dr. Sylwia Myszograj University of Zielona Gora, Poland

Dr. Bel n Fern ndez Agri-Food Technology Research Institute, Spain

Dr. Raed Alkowni An-Najah National University, Palestine

Dr. Simona Nicoara Technical University of Cluj-Napoca, Romania

Dr. Sheela Reuben National University of Singapore, Singapore

Dr. Rares Halbac-Cotoara-Zamfir Politehnica University of Timisoara, Romania

Dr. Anand Narain Singh Department of Botany, Panjab University, India

Dr. Muhammad Ansar Farooq University of Bielefeld, Germany

Dr. Gayathri Ram Mohan University of Florida, USA

Dr. Kazutoshi Okuno University of Tsukuba, Japan

Dr. Tariq Shehzad University of Georgia, USA

Dr. S. T. Tsim BNU-HKBU United International College, China

Dr. Sanaz Shobeiri Queen's University, Belfast, UK

Dr. Ladislav Rozensky Czech University of Life Sciences, The Czech Republic

Dr. Ioannis Sempos National Technical University of Athens, Greece

Dr. Vikram Kumar Gaya College of Engineering, India

Dr. Paolo Bonivento Institute of European Studies 'Alcide de Gasperi', Italy

Dr. Kari Ilkka H nninen University of Jyv skyl  Finland

Dr. Nicholas Lorusso University of North Texas at Dallas, USA

Dr. Mitric Dana-Bianca Institute of Geography, Romanian Academy, Romania

Dr. Ayman Mabrouk National Ocean Services, USA

Dr. Enrique Monton Chiva Jaume I University, Spain

Dr. Teodora Teofilova Bulgarian Academy of Sciences, Bulgaria

Dr. Serena D'Ambrogi Italian National Institute for Environmental Protection and Research, Italy

Assoc. Prof. Kuok King Kuok Swinburne University of Technology, Australia

Assoc. Prof. Teodora Zecheru Scientific Research Center for CBRN Defence and Ecology, Bucharest, Romania

Prof. Kyoungrean Kim University of Science and Technology, South Korea

Environment and Ecology Research**Volume 13 Number 2 2025****Macroinvertebrate Diversity and Abundance as Key Determinants of Waterbird Foraging Habitats in Bagan Percut Mudflats, North Sumatra***(<https://www.doi.org/10.13189/eer.2025.130201>)*

Erni Jumilawaty, Ani Mardiasuti, Lilik Budi Prasetyo, Yeni Aryati Mulyani, Bejo Slamet, Ahmad Luthfi Abdillah Nasution.....189

Sustainable Development in Coastal Regions: Integrating Blue Economy and Community Ecotourism for Poverty Eradication*(<https://www.doi.org/10.13189/eer.2025.130202>)*

Muhammad Hasyim Ibnu Abbas, Vika Annisa Qurrata, Ermita Yusida, Magisty Purbo Priambodo, Muhammad Hakimi Mohd. Shafiai, Jumadil Saputra, Nila Cahayati198

Community Empowerment for Flood Disaster Risk Reduction in Wetland Areas*(<https://www.doi.org/10.13189/eer.2025.130203>)*

Rusmaniah Rusmaniah, Deasy Arisanty, Ersis Warmansyah Abbas, Parida Angriani213

Ecophysiological Changes of *Pseudevernia furfuracea* Transplants: An Effective Tool for Monitoring Anthropogenic Impacts*(<https://www.doi.org/10.13189/eer.2025.130204>)*

Corapi A., Lucadamo L.226

Braiding Intensity Analysis of a Post-Seismic Debris Flow Event Using a Comprehensive Indexing Tool*(<https://www.doi.org/10.13189/eer.2025.130205>)*

Rosdianah Ramli, Janice Lynn Ayog, Min Fui Tom Ngui, Rodeano Roslee, Felix Tongkul, Mohammad Radzif Taharin.....241

Assessment of the Microbiological Indicators of the River Water Used for Irrigation in the Field of Korca*(<https://www.doi.org/10.13189/eer.2025.130206>)*

Sulltanë Ajçe, Adrian Maho251

Innovation in the Management of Sludge Generated in Domestic Waste Water Treatment Plants in Perù*(<https://www.doi.org/10.13189/eer.2025.130207>)*

José J. Espinoza Eche, Yvan Huaricallo, Yamilet Condori Choque257

How We Can Reduce Environmental Impacts through Recycling*(<https://www.doi.org/10.13189/eer.2025.130208>)*

Pertiwi Andarani, Ariadne Yovita Adiyoga Hervana, Ariesta Sulisty Asih, Syafrudin Syafrudin, Hardianti Alimuddin, Wiwik Budiawan269

The Role of Strategic Environmental Assessment as a Guide to Achieving Assessment Criteria for Sustainable Development in Cities

(<https://www.doi.org/10.13189/eer.2025.130209>)

Riham Elsayed Abdel Tawab, Ehab Mahmoud Bayoumi Okba, Mohga Emam Embaby Hassan281

Collaborative Governance in Natural Disaster Mitigation in Karimun District, Kepulauan Riau Province, Indonesia

(<https://www.doi.org/10.13189/eer.2025.130210>)

Rudi Subiyakto, Bambang Pujiyono, Edy Akhyary, Jamhur Poti304

Environment and Ecology Research

Call for Papers

Environment and Ecology Research is an international peer-reviewed journal that publishes original and high-quality research papers in all areas of environment and ecology. As an important academic exchange platform, scientists and researchers can know the most up-to-date academic trends and seek valuable primary sources for reference.

Aims & Scope

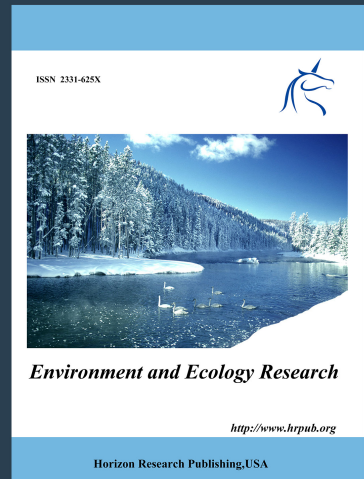
- Behavioural Ecology
- Biodiversity
- Biogeography
- Coastal Management
- Coevolution
- Community Ecology
- Ecological Complexity
- Ecosystem Ecology
- Environmental Policy
- Ethnoecology
- Human Ecology
- Land Management
- Landscape Ecology
- Molecular Ecology
- Population Ecology
- Silviculture
- Social Ecology
- Sustainability Studies
- Toxicology
- Wildlife Management

Manuscripts Submission

Manuscripts to be considered for publication have to be submitted by Online Manuscript Tracking System(<http://www.hrpub.org/submission.php>). If you are experiencing difficulties during the submission process, please feel free to contact the editor at submission@hrpub.org.

Submit your paper at http://www.hrpub.org/journals/jour_submitmanuscript.php?id=40

Available Online http://www.hrpub.org/journals/jour_info.php?id=40



Contact Us

Horizon Research Publishing
2880 ZANKER RD STE 203
SAN JOSE, CA 95134
USA
Email: editor@hrpub.org

Submit your paper at http://www.hrpub.org/journals/jour_submitmanuscript.php?id=40

Available Online http://www.hrpub.org/journals/jour_info.php?id=40

Horizon Research Publishing

<http://www.hrpub.org>