

Special Issue

The Energy–Ecosystem Nexus: Balancing Energy Exploitation and Ecosystem Conservation

Message from the Guest Editors

This issue aims to broaden and deepen our understanding of the relationship between energy exploitation and ecosystem. Despite its key role in economic development, energy exploitation puts pressure on the environment. Energy exploitation poses threats to terrestrial, freshwater, and marine ecosystems in some conditions—for example, land occupation by solar power and windfarms, water flow alteration and habitat fragmentation caused by hydropower dams, and the marine impacts of tidal power production. The ecosystem impacts of energy exploitation urgently need to be incorporated into energy planning for better ecosystem protection. The scope of the Special Issue covers the biodiversity impacts of all the lifecycle stages of all types of energy.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

Power production;
Fossil fuel exploitation;
Energy infrastructure;
Terrestrial ecosystems;
Freshwater ecosystems;
Marine ecosystems.

Guest Editors

Dr. Yi Jin

Dr. Cuiyang Feng

Dr. Rong Yuan

Deadline for manuscript submissions

closed (6 March 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/152820

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)