

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

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Deadline for manuscript submissions

closed (6 March 2024)



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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

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