

Special Issue

Biodiversity and Sustainability in Aquatic Environments

Message from the Guest Editor

Freshwater ecosystems are among the most biodiversity-rich yet highly threatened environments on Earth. They provide essential ecological services, including water purification, carbon sequestration, and fisheries, yet face increasing pressures from climate change, pollution, habitat loss, and the over-extraction of resources. This Special Issue will advance research at the intersection of biodiversity conservation, ecosystem resilience, and sustainable water management.

This Special Issue will address the following topics: Biodiversity patterns and ecological functions in freshwater systems;

Threats to freshwater biodiversity and their socio-economic consequences;

Sustainable management strategies, including conservation planning, policy frameworks, and technological innovations;

Integrated approaches that link ecological, social, and economic dimensions of freshwater sustainability.

We invite contributions from ecologists, hydrologists, conservationists, and policymakers to develop a holistic understanding of freshwater sustainability, ensuring that these vital ecosystems continue to support both biodiversity and human well-being.

Guest Editor

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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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