

## Special Issue

# Freshwater Ecosystem Ecology and Conservation: From Aquatic Biodiversity to Sustainable Management

### Message from the Guest Editors

Freshwater ecosystems (e.g., rivers, streams, lakes, groundwater, wetlands and aquifers) sustain a disproportionate share of global biodiversity, housing over 10% of all known species, despite covering a minute fraction of the Earth's surface. However, these environments are now globally recognized as among the most endangered ecosystems on the planet. The synergistic effects of anthropogenic pressures, including land-use and land-cover change, pollution, overexploitation of resources, habitat degradation, invasive species, and, crucially, climate change, are driving an alarming decline in freshwater ecosystem health and species populations. This Special Issue aims to gather cutting-edge research that bridges the gap between fundamental ecological knowledge and its effective application in conservation practice. Our goal is to present studies that not only address the causes and consequences of biodiversity loss and ecosystem degradation but, most importantly, propose, implement and evaluate innovative solutions and policies for the sustainable management of freshwater ecosystems.

### Guest Editors

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### Deadline for manuscript submissions

31 December 2026



## Conservation

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CiteScore 3.2



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## About the Journal

### Message from the Editor-in-Chief

*Conservation* provides an advanced forum for conservation studies, including biodiversity and environment conservation, resource recycling, conservation and sustainable management, conservation planning and governance, conservation ethics and ecology, creative and multidisciplinary solutions for conservation and restoration, as well as heritage conservation and restoration. In addition, we welcome submissions highlighting transdisciplinary advances in the science and practice of conservation, with application in management and policy decisions. We hope that the advantages of open access, high-quality standards, and rapid publication will encourage scientists and practitioners to choose *Conservation* as a venue to disseminate their research.

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### Editor-in-Chief

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