

Special Issue

Biodiversity in Wetlands: Monitoring, Assessment, and Conservation Through Remote Sensing

Message from the Guest Editors

Wetlands are highly biodiverse ecosystems, supporting over 40% of species. Monitoring and conserving wetland biodiversity is crucial for ecosystem health. Remote sensing techniques are increasingly used to assess and monitor biodiversity, helping to refine existing methods and develop new ones. This Special Issue focuses on technological advancements, conservation practices, and interdisciplinary approaches in using remote sensing for wetland biodiversity. Key topics include:

- Remote sensing for biodiversity
- New sensors (hyperspectral, LiDAR) for species and habitat mapping
- Optimizing deep learning for wetland vegetation classification
- Developing biodiversity indices from multi-source data
- Evaluating ecological restoration and protected areas
- Simulating species migration under climate change
- Long-term monitoring of restored wetlands
- AI, big data, and field survey-based collaborative monitoring

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About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).