

## Special Issue

# Monitoring, Restoration and Protection in Wetland Ecosystems

### Message from the Guest Editor

Understanding the interplay between climate extremes and wetland stability requires cutting-edge monitoring, innovative restoration techniques, and robust protection strategies to ensure their long-term sustainability. This Special Issue invites research that advances innovative methods for monitoring, restoring, and safeguarding blue carbon wetlands. We welcome studies that explore:

- ☒ Wetland monitoring: the use of remote sensing, UAV (drone) surveys, AI-driven monitoring, environmental DNA (eDNA), and climate resilience modeling to assess wetland health, carbon sequestration, and ecosystem stability.
- ☒ Restoration strategies: innovative approaches, including bioengineering solutions, hybrid green–gray infrastructure, sediment augmentation, assisted colonization, and nature-based solutions for climate adaptation and disaster risk reduction.
- ☒ Protection and policy frameworks: the role of blue carbon credit systems, community-led conservation, traditional ecological knowledge, and policy innovations in sustainable wetland management.

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### Guest Editor

Dr. Md Khurshid Alam Bhuiyan

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### Deadline for manuscript submissions

20 October 2025



## Water

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## About the Journal

### Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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