Special Issue

Advances in Monitoring of Hydrological and Ecological Processes Under Climate Change

Message from the Guest Editor

This Special Issue seeks to advance innovative methods and interdisciplinary approaches for monitoring hydrological and ecological processes in ecosystems impacted by climate change, with a focus on understanding water flux exchanges, carbon cycling, and ecosystem resilience. Submissions may cover, but are not limited to, the following topics:

- Innovative monitoring techniques for ecosystem processes;
- Multi-scale evapotranspiration monitoring;
- Climate impacts on water and carbon cycles;
- Vegetation dynamics and landscape resilience;
- Hydrological and ecological modeling across varied ecosystems;
- Water use efficiency and sustainable conservation strategies;
- Land–atmosphere interactions under climate stress;
- Drought monitoring and impact assessments;
- Estimation of ecological water requirements;
- Advances in machine learning for ecosystem monitoring.

Guest Editor

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Deadline for manuscript submissions

20 December 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/222455

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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