



Novel Techniques for Water Resources in a Changing Climate: Hydrological Strategies for a Sustainable Future

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Deadline for manuscript submissions:

20 November 2026

Message from the Guest Editors

Dear Colleagues,

This issue aims to bring together innovative and interdisciplinary research that addresses the complex challenges climate change poses to global water resources. We welcome contributions that explore novel techniques such as machine learning, multicriteria decision-making, and experimental, field, or numerical modeling to offer sustainable hydrological strategies. This Special Issue will focus on a wide range of critical topics including, but not limited to:

- Climate change's impacts on water resources (rivers, lakes, reservoirs, etc.).
- Floods, droughts, and sediment budget management.
- Water quality and pollutant transport.
- Safety and resilience strategies for infrastructures against extreme hydrological events.
- Socio-economic implications of climate change on hydrological systems.

We encourage contributions that will help define, quantify, and measure sustainability in water resource management, contributing to a comprehensive and adaptive response to climate change.





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Message from the Editor-in-Chief

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