Special Issue

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

Message from the Guest Editors

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.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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