Special Issue

Advances in Research on Hydrology and Water Resources

Message from the Guest Editors

Climate change and human activities are reshaping the global hydrological cycle, driving extreme weather events, altering seasonality, and intensifying water scarcity. Hydrologic non-stationarity has led to reduced stream flows in some regions while amplifying flooding in others. Rapid urban expansion and increasing agricultural demands further threaten water accessibility and quality, underscoring the urgent need for sustainable water management strategies. Beyond ensuring environmental protection, strengthening community resilience to water scarcity is paramount. Additionally, safeguarding cultural values and their connection to land and water management is essential for holistic and equitable solutions. This Special Issue will bring together pioneering research that addresses global water resource challenges through innovative approaches. We invite contributions from researchers, scholars, and industry professionals deepening scientific understanding and driving transformative advancements in hydrological science and sustainable water management.

Guest Editors

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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

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