Special Issue

Impacts of Climate Change on Water Resources and Water Risks, 3rd Edition

Message from the Guest Editors

Water resources are crucial for the health of ecosystems and social and economic development. Climate change has accelerated the heterogeneity of the spatiotemporal distribution of water resources, increasing the probability of extreme events and resulting in more water disasters and threats. Considerable efforts have been made to develop advanced remote sensing and other innovative approaches to monitor relevant variables. Various hydrological models are being developed to understand hydrological processes and to quantify their responses to climate change and human activities. Machine learning and deep learning methods are also increasingly being used to facilitate water research. However, accurately quantifying and predicting the impact of climate change on water resources and water risk still needs further study. The topics, including, but not limited to:

Climate change impact assessment;
Satellite hydrometeorological monitoring;
Hydrological modeling;
Drought monitoring;
Flood simulation and flood risk evaluation;
New technologies and approaches for water resources and water risks.

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Deadline for manuscript submissions

30 June 2026

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/242946

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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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