Special Issue

New Methods and Technologies of Urban Flood Forecasting, Risk Assessment and Response

Message from the Guest Editors

Urban flooding is an increasingly severe threat to cities worldwide, leading to substantial economic losses, daily life disruptions, and serious public safety risks. This Special Issue, titled "New Methods and Technologies for Urban Flood Forecasting, Risk Assessment and Response," seeks to tackle these challenges by presenting innovative research and solutions. We invite contributions exploring advanced methods and technologies for precise flood forecasting, risk assessment, and enhanced response strategies. This Special Issue invites papers that cover a broad range of topics, including, but not limited to, the following:

- Machine learning and AI-based flood forecasting;
- Remote sensing and GIS in flood risk assessment;
- Innovative early warning systems;
- Climate change impacts on urban flooding;
- Integrated flood management and mitigation;
- Real-time data acquisition and modeling;
- Community-based flood response and resilience.

For more details, please find at:
https://www.mdpi.com/journal/water/special_issues/S6AFWT8CH9

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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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