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Innovative Flood Risk Management under Changing Environments

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Message from the Guest Editors

Climate change and urbanization are altering regional hydro-environments, bringing new challenges to flood risk management.....

To address these issues, a novel framework for flood risk management under changing environments is necessary. Regarding flood complexity, multi-scale hydrological modeling approaches can combine different types and scales of floods, helping us unravel flood interactions during risk assessment. In terms of urban resilience, multi-dimensional flood risk assessment can analyze the direct hazards of floods whilst considering their associated impacts, such as pollution and exposure risks. In doing so, it can comprehensively optimize decision-making in urban flood adaptation in response to climate change and urbanization.

Accordingly, the primary purpose of this Special Issue is to present recent studies on novel frameworks for flood risk management in terms of multi-scale hydrological modeling, multi-dimensional flood risk management, flood-triggered pollution, machine learning, and data mining-based flood analysis.....



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Special Issue



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Message from the Editor-in-Chief

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