Special Issue

Flood Risk Assessment and Resilience Strategies for Flood Risk Management

Message from the Guest Editors

There is a global trend pertaining to the number of disasters and their total economic impact to increase. Of these disasters, flooding has occurred most often and has resulted in the highest number of deaths and greatest economic loss. Flood risk prediction systems must be developed as a matter of urgency. This research must be built on traditional numerical models and new approaches. The focus of this Special Edition is the exchange of knowledge in the field of modelling and assessment of floods, the design of preventive measures to reduce the risk of floods, risk communication, and support for the settlement of the consequences of floods, supported by an integrated and holistic view of the issue. We encourage authors to share their knowledge, experience, and achievements using different approaches, such as signal processing, computational intelligence, and machine learning, as well as new methods for early warning, as well as focusing on risk perception, [...]. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/flood_management_Strategies

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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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