

Special Issue

Innovative Flood Risk Management under Changing Environments

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.....

Guest Editors

Prof. Dr. Jin Zhang

Prof. Dr. Peter Krebs

Prof. Dr. Pei Hua

Dr. Wenyu Yang

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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