Special Issue

Challenges and Perspectives in Flood Risk Management and Resilience

Message from the Guest Editors

Flooding is a natural disaster affecting the largest number of people than any other types of disaster with a significant socioeconomic impact. Improved flood risk management is critical to strengthening societal resilience to better protect the population's lives and assets. This Special Issue will focus on new developments in flood resilience in order to identify existing challenges and future perspectives on risk management innovations. Contributions widely related to the following topics are welcome:

- Numerical methods, artificial intelligence and data analytics in flood modelling;
- Holistic hazard impact assessment;
- Integrated approaches for risk management and damage reduction;
- International, national and regional flood resilience strategies and policies;
- Hazard mitigation decision support;
- Climate change adaptations;
- Critical infrastructure and cascading effects;
- Innovations and technologies in smart management;
- Hydroinformatics and risk communication;
- Citizen science and community engagement;
- Emergency response and crisis management.

Guest Editors

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Deadline for manuscript submissions

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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

Dr. Jean-Luc PROBST
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