Special Issue

Modelling Flood Hazards and Management for Environmental Sustainability

Message from the Guest Editors

Floods are extreme and frequent types of natural hazards that cost human life and result in major economic losses. Flooding occurs when water cannot be stored or adjusted in a normal system of drainage. Floods are a threat to people, infrastructure, and settlements. The higher the risk of flooding is, the greater the amount of damage caused. The objective of this Special Issue of Water is to collect articles (original research articles, review articles, and case studies) to provide insight into the applications of remote sensing and remote sensing–GIS-based techniques for addressing critical flood hazard issues and their management, including assessment and modelling on a wide range of spatial and temporal scales.

This open-access Special Issue invites high-quality and innovative scientific articles, including innovative and cutting-edge research on the use of remote sensing techniques and data from any platform (ground sensing, satellite, aircraft, drones, etc.) to study critical water-related issues.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/70988

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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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