

Special Issue

Causes and Reconstruction of Catastrophic Flash Flood Disasters: Investigation, Analysis, Modelling and Risk Management

Message from the Guest Editors

In recent decades, catastrophic flash flood events often occurred and gradually became an increased trend in the mountainous regions with the changing extreme climate, and resulted in devastating human deaths and economic losses. In order to better understand the causes of flash flood events and provide disasters control and mitigation ways for human health and economic development in mountainous regions, this Special Issue hopes that all the related researchers in the world could share the novel and interesting achievements such as field investigation, theoretical analysis, numerical simulation of catastrophic flash flood events around the world. On the basis of these historical disaster events, the reliable ways of flash flood risk management could be founded and widely used in the future. On the other hand, the flash flood involved interdisciplinarity such as meteorology, hydrology, soil and water conservation, flow-sediment dynamics can be further developed, of course, the mechanism of flash flood may be further elucidated and beneficial to improve these prevention techniques of flash flood disasters in mountain area.

Guest Editors

Prof. Dr. Xiekang Wang

Prof. Dr. Wenfeng Ding

Dr. Ziqiang Ma

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

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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

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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