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, theroectial 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 managemnt could be founded and widely used in the future. On the other hand, the flash flood involved interdisciplinarities such as meteorology, hydrology, soil and water conservation, flow-sediment dynamics can be futher developed, of course, the mechanism of flash flood may be further elucidated and beneficial to impove these prevention techniques of flash flood disasters in mountain area.

Guest Editors

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Deadline for manuscript submissions

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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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