Special Issue

Study of Hydrological Mechanisms: Floods and Landslides

Message from the Guest Editor

Landslide hydrology and flood hydrology are emerging areas of research that are becoming increasingly important due to the widespread impact of landslides and floods around the globe. These natural disasters have caused significant hardship for affected communities. This Special Issue aims to address this gap by focusing on key areas related to both landslides and floods, including the following:

a. The hydrological perspective, examining the role of water in these events.
b. The dependencies between processes, investigating how different environmental factors interact and influence the occurrence and severity of landslides and floods.
c. Models that account for uncertainties, inconsistencies, and forecasting challenges in predicting and managing these disasters.

This Special Issue seeks to enhance the understanding of hydrological processes in relation to landslides and floods and improve predictive models and risk management strategies to mitigate their impact. For more details, please find at: https://www.mdpi.com/journal/water/special_issues/GN0959YJ76

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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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