



water

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Flash-Flood Susceptibility, Forecast and Warning

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Flash-floods, due to their unexpected nature, can cause severe economic damages and loss of human life. They may be caused either by extreme precipitation, by the failure of human-made structures, such as dams, or by complex water–snow interactions. Flash-flood early warning systems represent the most effective non-structural measure, which should be taken in order to mitigate the negative effects of these hydrological hazards. An efficient and operational flash-flood early warning system should be based on the following two major components: a map representing a very accurate detection of flash-flood susceptible areas and a performant meteorological radar network, which are able to detect the cloud systems that are likely to generate heavy rainfalls over the susceptible areas, and also to accurately estimate the rainfall amount and their accumulation, [...]

For further reading, please follow the link to the Special Issue Website at:

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Special Issue



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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.

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