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Risk and Emergency Management of Urban Rainstorm Flood Disasters

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Deadline for manuscript submissions:

closed (25 March 2024)

Message from the Guest Editors

Dear Colleagues,

Under the combined effects of climate change and accelerated urbanization, urban rainstorms and flood disasters have become increasingly frequent and widespread for most cities around the world, seriously impeding the achievement of the Sustainable Development Goals (SDGs). Given this context, it has become rather imperative to formulate measures that will aid in accurately and scientifically assessing rainstorm flood risk and emergency preparedness. This Special Issue aims to collate papers that broadly focuses on the aforementioned area, particularly the ones that integrate advanced information technology and intelligent algorithm in urban rainstorm flood management. Potential topics for submissions include, but are not limited to, the following:

1. Extreme rainstorm and flood analysis;
2. Urban rainstorm and flood modeling;
3. Urban rainstorm and flood risk management;
4. Urban rainstorm and flood emergency management;
5. Urban rainstorm and flood resilience. [...]

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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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Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

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