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Global and Regional Flood Risk Modelling and Analysis in Climate Change Scenario

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

In recent years, climate change and urbanization have led to significant pluvial flood events in a range of countries worldwide. This has prompted the development and implementation of effective and innovative approaches for designing and managing urban stormwater systems. The gradual urbanization process is causing an increase in impervious surfaces, resulting in higher surface runoff and velocity. This, in turn, reduces concentration times of watersheds, leading to increased soil erosion and deteriorating water quality due to intensive contamination.

Low-impact development (LID) practices for controlling urban runoff can be considered an effective approach to addressing this concern. These practices aim to enhance urban resilience against flooding risks and ensure environmental interventions that address the changing climate and land use patterns. This Special Issue invites research contributions that present groundbreaking advancements in both experimental and modeling research on LIDs.[…]

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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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