Special Issue

Urban Floods in a Changing Climate

Message from the Guest Editors

Dear Colleague, The population of urban centers is increasing worldwide. Climatic variability and changes in the magnitude and occurrence of severe weather events has detrimental impacts in the built environment. The present Special Issue addresses the evolving state of the art in understanding the nature of urban hazard occurrences and magnitude changes, in planning for effective control measures, in modern operational urban flash-flood forecasting and warning, and in the mitigation of hazard impacts and disaster responses in urban areas under climatic variability and change. The specific topics include, but are not limited to: (1) surface and subsurface hydrology modeling and observations in urban environments; (2) nowcast and forecast of urban runoff and flash floods; (3) urban flash-flood warnings and responses; (4) urban flash-flood management and policy; (5) inundation and channel–floodplain interactions; (6) uncertainty quantification and data assimilation; (7) climate-induced changes in urban flooding; (8) application of artificial intelligence (AI) in urban flood risk management.

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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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