

Special Issue

Urban Catchment: Rainfall-Runoff Issues and Responses

Message from the Guest Editor

Rapid urbanisation across the globe in the last few decades has changed the rainfall-runoff response in many catchments. Along with population growth, numerous changes in the landscape and impervious ratio in urban areas have also occurred. The change in the landscape in many cities has had a tremendous impact on urban hydrology. This includes changes in rainfall-runoff balance and changes in physical, chemical and biological aspects of water quality. Besides this, urban flooding has become more frequent due to an increase in imperviousness and runoff peak flow. This Special Issue seeks to highlight studies on urban rainfall-runoff monitoring and modelling, the role of imperviousness in urban water quality, the adoption of water-sensitive urban designs to mitigate water quality problems, stormwater harvesting, analytical techniques to examine these linkages and water management, and water policy.

Guest Editor

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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

Dr. Jean-Luc PROBST

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