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Urban Catchment: Rainfall–Runoff Issues and Responses

Guest Editor:

Dr. Rupak Aryal

School of Engineering, La Trobe University, Flora Hill Bendigo, Melbourne, VIC 3552, Australia

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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.



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Special Issue



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Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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