



water



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Innovative Methods and Applications of Stormwater Management

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Message from the Guest Editors

Stormwater management from urban, traffic and commercial areas is a continuous challenge and comprises a wide variety of aspects. In the last two decades a clear paradigm shift from quick drainage to water sensitive design has taken place, aiming at maintaining a near natural water balance, reducing adverse impacts on receiving waters or integrating stormwater treatment as architectural multi purpose elements into urban planning. Related research ranges from improved analysis and modelling of stormwater, systems elements and processes to the development and assessment of technical solutions up to city planning and socio-economic consideration. Recently identified challenges like climate change, increasing inner agglomeration, emerging pollutants require deeper investigation and intensified attempts for long-term sustainable solutions. This also requires a thorough review of lessons learned, including operational, institutional and social issues.

The objective of this special issue is to compile innovative articles comprising the whole range of stormwater treatment and stimulate a cross-regional, cross-sectoral discussion on sustainable stormwater management.



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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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