Special Issue

Efficient Design, Operation, and Management of Urban Stormwater Systems

Message from the Guest Editors

Urban expansion and climate change are constraining sustainable urban development, resulting in worse urban flooding, non-point source pollution, ecological deterioration, etc. Some stormwater management strategies have been proposed, such as sustainable drainage systems, water-sensitive urban designs, and sponge cities. These strategies make cities more resilient to environmental changes and natural hazards to some degree. However, these strategies all require the solution of an underlying problem, which is how to efficiently design, operate, and manage urban rainwater systems. In this context, we are proposing this Special Issue to present the latest methods, technologies, and case studies related to urban stormwater management. Topics of interest include but are not limited to, the following: urban stormwater management; transport, fate, and ecological risk of pollutants in green infrastructure; optimal design of grey and green rainwater infrastructures; urban waterlogging and non-point source pollution; urban hydrology and water quality modeling; the impact of rainwater concentration infiltration on groundwater; operation and maintenance of rainwater infrastructure.

Guest Editors

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Deadline for manuscript submissions

closed (10 May 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/111226

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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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