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Urban Water Systems: Challenges in Current Environment

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Message from the Guest Editor

Centralised water, wastewater, and stormwater systems have been implemented for over 100 years to provide municipal services in urban areas. These systems have ensured a safe drinking water supply, efficient means for the collection and disposal of wastewater to protect human health, and the mitigation of urban flood risk. The sustainability of current urban water systems is under pressure from a range of challenges, which include rapid population growth and resulting urbanisation, increasing demand placed on fresh water resources, climate change impacts, the excessive disposal of pollutants into receiving environments, and infrastructure that is ageing and reaching capacity constraints. There is a need to develop strategies and approaches to address these challenges to provide urban water services (water, wastewater, and stormwater) more sustainably. This Special Issue will cover topics related to addressing current challenges faced by urban water, wastewater, and stormwater systems.



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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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