Special Issue

Enhancing Planning in the Management Urban Water Systems to Increase Resilience

Message from the Guest Editors

With aging infrastructures and the need to improve water resources and energy efficiency while reducing the vulnerability to several uncertain events, urban water systems planning needs to be improved. The impact of a paradigm shift on resilience (e.g., decentralized solutions, the coexistence of multiple sources and networks of water for potable and non-potable uses, use of nature-based solutions) needs to be appropriately assessed in the planning process, as well as incorporation of uncertainty. This process involves proposing and demonstrating comprehensive approaches for the diagnosis, identification, and decision making for improvement measures, implementation, monitoring and revision relative to traditional techniques. Therefore, for this Special Issue, robust and well-tested methods that support the different stages of the planning process to improve resilience are of particular interest. Moreover, new approaches for scenario building and uncertainty modeling are fundamental to the planning process for resilience improvement, and straightforward methods will be appreciated.

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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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