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Urban Water Networks Modelling and Monitoring

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Urban water research and practice received a boost thanks to the availability of new and advanced numerical models, the increase of computing resources (especially distributed in clouds), and the availability of cheap and reliable sensors that can be deployed through the system to trace its evolution. This Special Issue welcomes research papers dealing with new technologies and models to monitor and manage urban water distribution networks and drainage systems. Papers about new monitoring strategies and technologies both including water quantity and quality aspects are also welcome, as well as scientific reports regarding the application of optimization techniques to improve system management, report leakages, investigate water quality, and reduce energy consumption. Well-documented and internationally relevant case studies and practical field test reports could be a valuable addition to this Special Issue that aims to catch the interest of researchers in the water and IT sector as well as of water managers and practitioners.

For further reading, please follow the link to the Special Issue Website at:

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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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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

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