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Enhancing Planning in the Management Urban Water Systems to Increase Resilience

Guest Editors:

Dr. Dália Cruz Loureiro

National Laboratory for Civil
Engineering, 1700-111 Lisboa,
Portugal

Dr. Maria Adriana Cardoso

National Laboratory for Civil
Engineering, 1700-111 Lisboa,
Portugal

Deadline for manuscript
submissions:

15 July 2024

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.



mdpi.com/si/152959

Special Issue



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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

Message from the Editor-in-Chief

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

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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