

Special Issue

Water Supply System (WSS) Reliability, Safety and Risk Modelling & Assessment

Message from the Guest Editors

Reliability and safety of engineering systems are permanent scientific and operational issues. They become even more pressing issues if these engineering systems belong to critical infrastructures. A Water Supply System is a critical infrastructure in modern societies. The first mission of a WSS is to provide households with potable water in the required quantity, at the appropriate pressure, and on demand, as required by statutory regulations. The risk assessment is primarily focused on supply disruption risk (shortage or deficit) and their consequences on the environment, the consumer health, and the global security of the city. The examination of the current operational state, potential major threats, and the related hazards, should all be part of every risk assessment. The proposed approaches are meant to address a wide spectrum of the WSS reliability, safety and risk modelling, and assessment issues. [...]

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

https://www.mdpi.com/journal/water/special_issues/water_WSS

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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

Dr. Jean-Luc PROBST

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