Special Issue

Building Water Resilience to Achieve SDGs

Message from the Guest Editors

Water resilience represents a reliable water supply capability that can efficiently adapt and respond to change. Water resilience plays a pivotal role to achieving the 2030 Sustainable Development Goal (SDG) 6 for the benefit of all human beings. This challenge requires the community to address this key question: How can we build more water-resilient cities? To achieve this goal, we need a series of innovative studies on water resilience concept, theory, modelling, assessment, enhancement, datasets, software, hardware, and strategy. For example, more scientific evidence about the tipping point to our water system should be analysed to optimise resilience theory. Unpredictable rainfall, flooding, droughts, manmade pollution, and other water-related shocks and stresses on cities should be quantitatively modelled. Governors and other stakeholders need to know how to accurately evaluate the resilience capability for each city or country. Also society needs to answer how to build a sustainable and resilient water system for the future. All these questions involve the integration of much knowledge and the intersection of multiple disciplines, though the centre remains water science.

Guest Editors

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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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