



water

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Water Systems Using Affordable and Clean Energy

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Deadline for manuscript submissions:

closed (20 December 2021)

Message from the Guest Editors

You are invited to submit your latest research findings showcasing recent approaches in the use of clean power in water systems. Water is a scarce resource that has a close and intricate nexus with energy. Resolving the World's water supply and sanitation challenges will require clean and renewable energy technologies to power water generation, treatment, and reuse systems. Meaningful approaches to obtaining clean water and sanitation face many challenges at different scales. These depend on geography, populations and consumption patterns, aside from the technological aspects. Multi-scale system-wide solutions are essential to overcome clean power integration and, at times, are restricted or limited by cost-prohibitive grid connectivity.

This Special Issue contributes towards the United Nations' Sustainable Development Goals 6 and 7. It will compile papers exhibiting the latest research on the synergistic integration of clean energy technology (including low-carbon fossil, renewable, storage, nuclear, and power hybrids) with water systems. Submissions that address modelling, techno-economics and life cycle analysis of such systems are welcome.



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Special *Issue*



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Editor-in-Chief

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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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