



Water and Energy Consumption in Urban Water Cycles

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Message from the Guest Editor

Over the decades, water resources are being intensively overexplored and polluted. The development and increasing demands of the population have also led to an increase in energy consumption. Energy use in the water sector is growing, and this fact represents adverse impacts on the environment in terms of resource scarcity and climate change, affecting the sustainable development of modern societies.

In fact, all urban water systems require energy, and it is very important to understand how these two vital resources are related to each other at each stage of the urban water cycle—abstraction, water treatment, end use, and wastewater treatment—in order to improve the efficiency of use and to help define the best management strategies for this cycle.

We particularly invite contributions concerning various aspects of the energy to water nexus in the urban water cycle, namely, studies of its relations as well as system optimization and best management strategies.





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Message from the Editor-in-Chief

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