Special Issue

Reservoir Operation and Water–Energy Nexus System Management

Message from the Guest Editors

It is widely recognized that water and energy are fundamental resources in sustaining human life and are critical for social progress. The ultimate objective of a water–energy coupling system is to satisfy human and socio-economic demands and to ensure water–energy security via effective reservoir operations and scientific water–energy management. However, global climate change and human activities have sharply changed the hydrological process and distribution of water resources, thereby making it difficult for traditional methods to address complex water-related problems. Thus, water resource management has emerged as a pivotal focal point requiring constant attention throughout the world. In other words, it is necessary to develop effective methods and technologies for improving the utilization efficiency of the water–energy nexus system under changing environments. In this context, researchers can submit their valuable research to this Special Issue entitled, “Reservoir Operation and Water–Energy Nexus System Management”.

Guest Editors

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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.

Editor-in-Chief

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