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Advanced Research on Sustainable Water Resources Management and Planning under Climate Change

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Water resources are one of most critical factors for the sustainable development of human society and are also important for maintaining natural ecosystems. With the influence of climate change and human activities, water resources in many watersheds have changed greatly with a decrease in water availability, deterioration in water quality, and degradation in aquatic ecological systems, especially in important rivers in the world, such as the Yangtze River, the Yellow River, the Amazon River, etc. Therefore, it is a daunting challenge to maintain sustainability at the watershed scale through scientific and effective water resource management and planning. In recent years, many scholars have put forward many new theories, technologies, and methods in the research of watershed hydrological processes, as well as water resource management and planning, to deal with climate change and human disturbance.

This Special Issue aims to explore new models, methods, and tools for water resource management and planning and their applications in various watersheds of the world.



mdpi.com/si/73223

Special Issue



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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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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

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