



Climate Change Impacts on Hydrology and Water Resources Management

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Message from the Guest Editors

Climate change is one of the main challenges facing humanity in the 21st century, particularly through its impacts on water resources. It is already having a measurable effect on the water cycle, altering the amount, distribution, timing, and quality of available water. An integrated view of water and environmental flows is required to devise sustainable economic systems that will allow us to decelerate climate change, protect us from extremes and to adapt to the unavoidable at the same time.

This Special Issue seeks research papers related to the impacts of climate change on water resources, including availability and distribution of rainfall, snowmelt, river flows and groundwater, and further deteriorate water quality. Papers using spatial scales and methodological approaches (statistical, physical, GCMs, downscaling, hydrological modeling, etc.) to understand the water balance in changing climate as well as impacts of climate change on floods, droughts, and water management are also of interests.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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