



Hydrologic and Water Resources Vulnerability and Resilience in a Changing Climate

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Message from the Guest Editors

Climate change, population growth and increased natural disasters are some of the main challenges facing humanity in the 21st century, causing hotspots and stresses to river basins and water resources management across the world. It is already having a significant impact from both space and time perspectives on the terrestrial water budget, altering the amount, distribution, timing, and quality of available water. An integrated view of water resources management is required to devise sustainable economic systems that will allow us to adapt to these changing conditions and protect us from extremes including floods and droughts.

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, floods and drought and their impacts on food security. Papers using a suite of simulation models (e.g., hydrology, climate, agriculture, floods and droughts, systems dynamics) and observations to quantify the impact and prescribe sustainable and adaptation measures at local, regional, continental and global scales are also of interests.





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Message from the Editor-in-Chief

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