



Sustainable Water Resource Management in a Changing Climate

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Message from the Guest Editors

Anthropogenic climate change is an inevitable reality that is increasingly affecting more people around the globe at an alarming rate. Local and regional precipitation patterns have changed and will continue to do so, decreasing the reliability and predictability of water resources. As humanity heavily relies on water for agriculture and manufacturing, as well as energy production and for domestic use, there is a greater need to adapt to the new reality of a changing climate. An increasing shift from green to blue water consumption, as a result of a scarcity in the quantity and seasonal distribution of rain water, has increased the economic and environmental cost of production, often making it unprofitable in the long run. Furthermore, the cost is mostly carried by the producer rather than the consumer, leading to greater pressure on often scarce local resources.

The Special Issue, therefore, concentrates on the sustainable management of water resources in light of ongoing climate change, from a technological, agricultural, economic, and societal perspective.





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