



*climate*



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## The Water Security and Management under Climate Change

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### **Message from the Guest Editor**

Dear Colleagues,

Water resources have been experiencing significant stress, resulting in water-related problems in many regions around the world. Recent research advances strongly suggest that climate change is expected to alter the timing and magnitude of all hydrological processes, and will intensify the hydrological cycle. This will affect water and food security, as well as ecosystem services. Surface and groundwater resources are continuously degraded as a result of agricultural activities, industrial wastes, and urban and touristic activities. Based on the above, there are geoinformatic techniques and other tools of high importance, through which hydrological processes can be simulated or predicted under different climate conditions and anthropogenic innervations. This Special Issue aims to increase the scientific knowledge on water resources and climate change interactions at a local, regional, and global scale.

Keywords: Water resources management and monitoring; Climate change; Water sustainability; Extreme hydrological events; Water quality; Salinity; Irrigation; Hydrological modeling; Geoinformatics; Decision support systems;

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# Special Issue