

Special Issue

The Water Security and Management under Climate Change

Message from the Guest Editor

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;

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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