



climate



an Open Access Journal by MDPI

The Water Security and Management under Climate Change

Guest Editor:

Dr. Nektarios Kourgialas

Water Resources, Irrigation & Env.
Geoinformatics Lab, Institute for
Olive Tree, Subtropical Plants
and Viticulture, HELLENIC
AGRICULTURAL ORGANIZATION
"DIMITRA" - DG AGRICULTURAL
RESEARCH, 73100 Chania, Greece

Deadline for manuscript
submissions:

closed (30 June 2021)

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;

Dr. Nektarios Kourgialas

Guest Editor



mdpi.com/si/30538

Special Issue



climate



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Timothy G. F. Kittel

Institute of Arctic and Alpine
Research, University of Colorado
Boulder, Boulder, CO 80309-0450,
USA

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).

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), GEOBASE, GeoRef, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Meteorology and Atmospheric Sciences) / CiteScore - Q2 (Atmospheric Science)

Contact Us

Climate Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/climate
climate@mdpi.com
[X@climate_MDPI](https://twitter.com/climate_MDPI)