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

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)



Climate

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.7



mdpi.com/si/30538

Climate
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
climate@mdpi.com

mdpi.com/journal/ climate





Climate

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.7



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).

Editor-in-Chief

Dr. Timothy G. F. Kittel

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

Author Benefits

High Visibility:

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

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

