Special Issue

Drought Monitoring, Prediction and Impacts (2nd Edition)

Message from the Guest Editor

The purpose of this Special Issue is to assemble cutting-edge research contributions from the global scientific community, fostering collaboration and knowledge exchange in the field of drought monitoring, simulation, and prediction. By disseminating innovative approaches and methodologies, this Special Issue aims to enhance the accuracy of drought prediction, support sustainable water resource management, and contribute to the development of effective strategies to mitigate the adverse impacts of droughts on society and the environment. We encourage researchers to submit original research articles, reviews, and case studies to this Special Issue.

This Special Issue seeks high-quality research papers that cover a broad spectrum of topics related to drought monitoring, simulation, and prediction. Potential areas of interest include remote sensing and monitoring, climate models and simulation, data assimilation and fusion, drought prediction and early warning systems, hydrological and agricultural impacts, adaptation and mitigation strategies, uncertainty, and risk assessment.

Guest Editor

Prof. Dr. Muhammad Abrar Faiz

- 1. School of Water Conservancy and Civil Engineering, Northeast Agricultural University, Harbin 150030, China
- 2. Department of Civil and Environmental Engineering, Yonsei University, Seoul 03722, Republic of Korea

Deadline for manuscript submissions

25 February 2026



an Open Access Journal by MDPI

Impact Factor 2.3 CiteScore 4.9



mdpi.com/si/231487

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

mdpi.com/journal/atmosphere





an Open Access Journal by MDPI

Impact Factor 2.3 CiteScore 4.9



About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))

