



Agrometeorology, Agricultural Water Management and Impacts of Extreme Events (2nd Edition)

Guest Editors:

Dr. Demetrios E. Tsesmelis

1. Laboratory of Technology and Policy of Energy and Environment, School of Applied Arts and Sustainable Design, Hellenic Open University, 26335 Patras, Greece

2. Department of Technology Products and Services, NEURPUBLIC S.A., 18545 Piraeus, Greece

Dr. Nikolaos Skondras

Global Water Partnership-Mediterranean (GWP-Med), 10556 Athens, Greece

Deadline for manuscript submissions:

30 October 2024

Message from the Guest Editors

This Special Issue focuses on agrometeorology, the management of agricultural water and the impacts of extreme climatic events on agricultural production. Topics of interest include but are not limited to the following:

- Evapotranspiration and other mass (carbon, water, etc.) and energy fluxes;
- Evapotranspiration models and evaluation;
- Droughts and impacts on plants;
- Water stress;
- Agricultural water management;
- Irrigation management;
- Precision irrigation (smart farming);
- Water losses;
- Water recycling and reuse in irrigation;
- Water and food security;
- Hydrological processes;
- Weather factors' effect on phytopathology and plant diseases;
- Effects of temperature and water availability on plants;
- Impacts of climate and climate change on agricultural crops;
- Agroclimatology;
- Remote sensing and crop modeling;
- Future projections in agricultural productivity;
- Aridity and changes in climate;
- Impacts of vegetation on rural microclimates.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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!

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)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](#)