

Special Issue

Agrometeorology

Message from the Guest Editors

This Special issue focuses on agrometeorology aspects. Topics of interest include but are not limited to:

- Micrometeorology micrometeorological measurements;
- Evapotranspiration and other mass and energy fluxes;
- Radiation availability for photosynthesis and optical characteristics of plants;
- Radiation distribution in canopies;
- Droughts and impacts on plants;
- Agricultural water management;
- Irrigation management;
- Weather factors' effect on phytopathology and plant diseases;
- Harmful organisms;
- Effects of temperature and water availability on plants and animals;
- Weather impact on honey production and bees' behavior and productivity;
- Impacts of climate and climate change on forests and agricultural crops;
- Relations between climate attribute and biodiversity;
- Hydrological processes;
- Evapotranspiration models and evaluation;
- Agroclimatology;
- Comparison of biometeorological and bioclimatic indices;
- Methods and data validation;
- Remote sensing and crop modeling;
- Future projections;
- Aridity and changes of climate;
- Impacts of vegetation on rural microclimate;
- Changes in phenology of plants and animals;
- Plant ecophysiology.

Guest Editors

Dr. Demetrios E. Tsismelis

Dr. Nikolaos Skondras

Dr. Nikolaos Proutsos

Deadline for manuscript submissions

closed (25 August 2022)



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

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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

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