

## Special Issue

# Fire Weather and Drought: Recent Developments and Future Perspectives

### Message from the Guest Editors

This Special Issue aims to advance our understanding of fire weather, drought processes, and their interactions. We invite contributions that explore innovative approaches to monitoring, modeling, and predicting these phenomena and their impacts on water resources, ecosystems, and human communities. The Special Issue seeks to address key topics, including the influence of anthropogenic warming and natural variability, trends in meteorological factors and compound extreme events, the development of effective risk management strategies, etc. In particular, submissions are encouraged on the following themes:

- Indicators and diagnostics of fire weather, drought, and related compound extreme events;
- Modern techniques for monitoring meteorological and hydrological conditions (e.g., satellite-based methods);
- Trends in atmospheric circulation and their links to fire–drought dynamics;
- Socioeconomic and ecological impacts of fire weather and drought;
- Future projections of fire weather and drought under various climate scenarios.

### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



## Atmosphere

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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!

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### Editor-in-Chief

Dr. Daniele Contini

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