Special Issue

Wildland Fire under Changing Climate

Message from the Guest Editor

Large-scale fires are becoming more frequent due to the rise in temperature and the accompanying decrease in humidity under climate change in recent years. This special issue is attempted to collect papers on fires around the world from high latitudes to the tropics such as fires in boreal and temperate forests, fires in the Mediterranean climate, tundra and peat fires, agricultural residue fires, fires caused by deforestation and land use changes and so on.

- What are fuels and causes of the fire?
- What are the latest fire trends, fire seasons, and fire distributions?
- How do fires vary and impact climate and air quality?
- What are impacts of fires on the projected changes of land cover/land use changes?
- How can remote sensing and geospatial technologies aid in mapping, monitoring, and quantification?

We invite articles from international researchers working on fires, air pollution, and the above questions related to fire-atmospheric interactions.

Guest Editor

Dr. Hiroshi Hayasaka
Arctic Research Center, Hokkaido University, Sapporo 0010021, Japan

Deadline for manuscript submissions

closed (31 March 2023)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/125250

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

MDPI

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))