atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Wildfires Modeling: Recent Trends, Current Progress and Future Directions

Guest Editors:

Dr. Sofiane Meradji
IMATH Laboratory, EA 2134, Toulon University, 83160 Toulon, France

Dr. Maryam Ghodrat
School of Engineering and Information Technology, University of New South Wales Canberra, Canberra, ACT 2610, Australia

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

This Special Issue offers an opportunity for those involved in wildfire modeling to present their work in a dedicated volume. We therefore invite you to contribute articles to this Special Issue that highlight advances, new concepts, technical issues, and innovative research directions associated with wildfire modelling frameworks. Recently, using data assimilation and deep learning techniques to better predict wildfire behavior has aroused considerable interest. These emerging approaches coupled to standard models seem very promising. Contributions based on these different approaches and their coupling are highly appreciated. Any work on wildfire modeling that can provide new insights is welcome.

It is our hope that this Special Issue, dedicated to the latest developments in wildfire modelling, will help to promote discussion of numerous modeling issues and highlight synergies and connections across the various modeling platforms.

Dr. Sofiane Meradji
Dr. Maryam Ghodrat
Guest Editor

atmosphere

IMPACT FACTOR 2.5

CITESCORE 4.6

an Open Access Journal by MDPI

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

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
𝕏@Atmosphere_MDPI