atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

Extreme Weather and Climate Events: Global and Regional Aspects

Guest Editors:

Prof. Dr. Galina Surkova
Department of Meteorology and Climatology, Faculty of Geography, Lomonosov Moscow State University, 119991 Moscow, Russia

Prof. Dr. Alexander Olchev
Department of Meteorology and Climatology, Faculty of Geography, Lomonosov Moscow State University, 119991 Moscow, Russia

Deadline for manuscript submissions:
closed (15 December 2021)

Message from the Guest Editors

The overall goal of this Special Issue is to investigate and bring together the most recent experimental and modeling studies focused on a spatial and temporal variability of the extreme weather and climate events (e.g., windstorms and droughts, heat waves, floods, etc.), their prediction, and mitigation. Today, weather extremes are always at the top of the list of global risks in terms of likelihood and their impact on human activity and environments according to the Global Risks Report 2020 published by the World Economic Forum, because of their serious threat to global stability.

For this Special Issue, we invite scientists working in meteorology, climatology, hydrology, ecology, economy, and sociology to contribute original research articles, as well as some reviews, dealing with extreme weather and climate events. Contributions can include but are not limited to understanding, modeling, and predicting weather and climate extremes in various spatial scales (from local to global), their possible impact on humans, and possible ways to mitigate the effects of extreme events and to reduce the damage they cause.

atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

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