atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Climate Change Dynamics: Impact of Droughts and Heatwaves on Terrestrial Ecosystems

Guest Editors:

Prof. Dr. Christopher Ngosong
Rhizobiology Group, Department of Agronomic and Applied Molecular Sciences, Faculty of Agriculture and Veterinary Medicine, University of Buea, Buea, Cameroon

Dr. Katarzyna Szyga-Pluta
Department of Meteorology and Climatology, Adam Mickiewicz University, 61-712 Poznań, Poland

Prof. Dr. Ognjen Bonacci
Faculty of Civil Engineering, Architecture and Geodesy in Split, University of Split, Split, Croatia

Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Climate change is causing unprecedented droughts and heatwaves at a global scale with significant effects on agricultural and forest ecosystems, which is affecting food security and the carbon sequestration potential of terrestrial ecosystems.

Accordingly, various research activities are being conducted with the aim of improving the contribution of soils to important societal challenges, such as mitigating and adaptating to the effects of droughts and heatwaves resulting from climate change dynamics. This includes the sustainability of agricultural and forest systems in providing ecosystem services, the prevention of land and soil degradation, and the restoration of non-responsive soils in a holistic manner through the establishment of best-bet management practices that are adapted to climate change, and in the best-case scenario, contribute to curbing climate change.

This Special issue is intended to fill this knowledge void by bringing together different views and successes so as to better inform policy decisions in this area of global uncertainty.

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