

Special Issue

New Insights in Surface Process under Climate Change

Message from the Guest Editors

Numerous Earth surface processes are remarkably changed under climate change. Great efforts are made to promote the understanding of the past, present and future surface environment. Comprehensive investigations are carried out to illustrate the spatial and temporal evolution pattern of surface components on the basis of objective evaluations. Increasingly available Earth observation datasets provide unprecedented opportunities for coping with climate change and achieving sustainable development. This Special Issue aims to seek insights related to Earth surface process from an innovative perspective. Any advances or applications of the use of Earth observation datasets to address environmental issues are encouraged. Topics may include (but are not limited to) the following:

- Advanced algorithms in Earth surface data simulation;
- Multi-perspective evaluations of Earth surface variables;
- Spatial and temporal evolution pattern of key surface components under the background of climate change;
- Numerous inter-reactions elements within Earth surface circulation systems.

We look forward to receiving your contributions.

Guest Editors

Dr. Yangxiaoyue Liu

Dr. Hou Jiang

Dr. Xiaona Chen

Deadline for manuscript submissions

closed (3 June 2024)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/176093

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

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



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))