atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

Polar Glacier Mass Balance and Climate Change

Guest Editor:

Prof. Dr. Yuande Yang
Chinese Antarctic Center of Surveying and Mapping, Wuhan University, Wuhan 430079, China

Deadline for manuscript submissions:
closed (15 July 2024)

Message from the Guest Editor

Polar glaciers, the key indicators of climate and cryosphere change, play a critical role in the Earth's hydrological cycle, ecosystem stability, and global sea-level rise. Moreover, glacial changes affect those of the climate and sea level. This Special Issue welcomes original research articles, review papers, and case studies that explore various aspects of glaciers, such as glacier mass balance, glacier retreat and advance, glacial hydrology, glacier-atmosphere interactions, glacial geomorphology, and the influence of glaciers on local and regional climate systems. We encourage submissions that utilize multidisciplinary approaches, combining field observations, remote sensing, modeling, and historical analyses to provide a holistic view of glacier responses to climate change. Additionally, studies focusing on the impact of glacier dynamics on downstream ecosystems, water resources, and sea-level rise are also encouraged. This Special Issue aims to foster discussions on cutting-edge research, methodologies, and modeling approaches related to glaciers, promoting a deeper understanding of the processes governing these vital components of the Earth's cryosphere.

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