atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Climatological and Hydrological Processes in Mountain Regions

Guest Editors:

Dr. Thomas Marke
Alpine Climate and Water Research (ACWR), Department of Geography, University of Innsbruck, Innrain 52f, 6020 Innsbruck, Austria

Dr. Wolfgang Gurgiser
Research Area Mountain Regions, University of Innsbruck, Innrain 52f, 6020 Innsbruck, Austria

Deadline for manuscript submissions:
closed (30 August 2020)

Message from the Guest Editors

Dear Colleagues,

With respect to weather/climate and their effects on water resources, mountain regions are characterized by complex spatiotemporal patterns due to the heterogeneous topography and the often nonlinear responses of snow- and ice-dominated regions to a changing climate.

We invite you to contribute an article to this Special Issue by reporting on monitoring and modeling studies that provide new insights into climatological and hydrological processes in mountain regions. We thereby encourage research including (but not limited to) studies on the development and/or application of innovative modeling techniques, on regionalization and scaling issues in climatology and hydrology, on land surface–atmosphere interactions as well as on energy and water fluxes in different subsystems of the atmosphere/hydrosphere. Articles on human–climate and human–water interactions as well as on global-change-related alterations in the climate and water systems are also highly encouraged.

Dr. Thomas Marke
Dr. Wolfgang Gurgiser
Guest Editors

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