atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Atmospheric Intraseasonal Oscillations

Guest Editor:

Prof. Dr. Lu Wang
School of Atmospheric Science, Nanjing University of Information Science and Technology, Nanjing 210044, China

Deadline for manuscript submissions:
closed (14 July 2022)

Message from the Guest Editor

Dear Colleagues,

Intraseasonal oscillations (ISOs) are widespread in tropical and mid-latitude atmospheres, and exert great influence on global weather and climate. The influential nature of ISOs has been noted on precipitation and temperature variability, as well as the frequency of extreme weather events occurring. ISOs can also interact with synoptic waves and interannual variabilities such as El Niño/southern oscillation (ENSO) and the Indian Ocean Dipole (IOD). Revealing dominant ISO modes that impact a local area and understanding the related physical mechanisms may help in constructing an empirical model for subseasonal or extended weather forecasts, which is crucial for improving weather predictions. Moreover, ISOs and their influence may change under global warming scenarios.

In recognition of the importance of atmospheric ISOs, the Special Issue showcases the most recent findings related to observational analysis, theoretical understanding, and the modeling, prediction and projection of atmospheric ISOs. Original research papers dealing with any aspects related to atmospheric ISO are all welcome contributions. Review papers are also welcome.

atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Editor-in-Chief

Prof. Dr. Ilias Kavouras
Environmental, Occupational, and Geospatial Health Sciences, CUNY School of Public Health, New York, NY 10027, USA

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