atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

Remote Sensing Applied in Atmosphere: Recent Trends, Current Progress and Future Directions

Guest Editors:

Prof. Dr. Shaohua Zhao

Dr. Zhongting Wang

Dr. Minghui Tao

Dr. Mingmin Zou

Dr. Ying Zhang

Deadline for manuscript submissions:
closed (1 July 2023)

Message from the Guest Editors

Our atmosphere is closely related to the survival of our planet and the functioning of our daily lives. Satellite remote sensing techniques, which can effectively monitor the continuous and dynamic status of air over large areas, are widely applied in the field of atmospheric and environmental research around the world, and they have played an important role in air monitoring and evaluation in applications such as aerosols, clouds, air pollution, straw burning, dust storms, carbon emissions, pollution source detection, volcanic ash, etc. Recently, with the most rapid development of the economy and space technology seen in decades, especially for high-resolution satellites, many atmospheric problems must be detected by advanced satellite remote sensing. This Special Issue aims to showcase the recent trends, current progress and future research directions of remote sensing as applied in atmospheric research. Original results from ground experiments, model simulations and review papers related to these aspects are all welcome contributions. Authors are encouraged to present a section covering future issues, opportunities, and/or concerns related to their topics.

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