atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

Atmospheric Acoustic-Gravity Waves

Guest Editors:

Dr. Sergey Kshevetskii
Department of Physics and Technology, Immanuel Kant Baltic Federal University, Kaliningrad, Russia

Dr. Sergey N. Kulichkov
A.M. Obukhov Institute of Atmospheric Physics, Russian Academy of Sciences,119017 Moscow, Russia

Deadline for manuscript submissions:
closed (31 July 2019)

Message from the Guest Editors

This Special Issue of the journal focuses on acoustic-gravity waves. We are looking for studies that investigate acoustic-gravity waves; their generation; the propagation of waves from various sources, including waves arising from sea-surface oscillations during storms and tsunamis; and waves arising when air flows around orographic obstacles; as well as research on the interaction of waves with the atmosphere. Research based on observations and research based on the modeling of the phenomena under study are both welcome. Manuscripts can also focus on the effects of these waves on jet currents and the atmospheric temperature regime, or on the ionosphere. Also, manuscripts on the experimental study and modeling of tornadoes, investigations of acoustic-gravity waves generated by this phenomenon, and their registration, and observations of tornadoes on the waves generated by this phenomenon, are welcome. We would also like to include research on the effects of acoustic-gravity waves on people and the environment.

- Acoustic-gravity waves
- Infrasound
- Numerical simulation
- Internal gravity waves
- Turbulence

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