Special Issue

Understanding Space Physics and Atmospheric Electricity with VLF/ELF Signals

Message from the Guest Editors

This Special Issue of *Atmosphere* aims to gather high-quality original research articles and reviews on the topic of "Understanding space physics and atmospheric electricity with VLF/ELF signals", with an emphasis on the essential importance of VLF(very low frequency, 3-30kHz)/ELF (extremely low frequency, 1Hz-3kHz) wave phenomena in a wide range of scientific fields from astrophysics, space physics, ionospheric physics, atmospheric electricity, and seismo-electromagnetics. We would like to invite very active scientists working on VLF/ELF waves to submit their papers (either original or review) to show the readers what kinds of perspectives are going on in different science fields. The above whole study area is multifaceted and involves several types of measurements (ground- and satellite-based) and analysis methods. For the above reasons, we would like to invite you to submit your recent articles, experimental and theoretical research papers, and case and statistical studies, with respect to the topics described above.

Guest Editors

Prof. Dr. Masashi Hayakawa

Prof. Alexander P. Nickolaenko

Prof. Dr. Xuemin Zhang

Prof. Dr. Yasuhide Hobara

Deadline for manuscript submissions

closed (28 February 2026)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/230619

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

About the Journal

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!

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

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))

MDPI