Special Issue

Study of Air Pollution Based on Remote Sensing (2nd Edition)

Message from the Guest Editors

High-concentration atmospheric aerosol, ozone, VOCs, nitrogen oxide, sulfur dioxide, and other air pollutants pose a great threat to the ecosystem and to human health. In order to fully clarify the process of air pollution, advanced monitoring technology is needed. Remote sensing methods have unique advantages in monitoring the horizontal and vertical distribution of air pollutants, which can make up for the lack of spatial distribution monitoring of in situ monitoring networks. Remote sensing data on high-spatial–temporal-resolution air pollutants can be used to study the spatial–temporal distribution characteristics, transmission characteristics, and evolution mechanism of air pollution. We are pleased to announce the launch of a new Special Issue entitled “Study of Air Pollution Based on Remote Sensing”, which invites contributions presenting research on atmospheric environment remote sensing technology and its applications. This covers the design of atmospheric monitoring instruments, retrieval algorithms, observation experiments, data analysis research, health impact assessment, etc.

Guest Editors

Dr. Haoran Liu

Dr. Wei Tan

Dr. Wenjing Su

Deadline for manuscript submissions

30 November 2025

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/210756

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

MDPI

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))