



Atmospheric Pollutants: Characteristics, Sources and Transport (2nd Edition)

Guest Editors:

Dr. Chengzhi Xing

Key Lab of Environmental Optics & Technology, Anhui Institute of Optics and Fine Mechanics, Hefei Institutes of Physical Science, Chinese Academy of Sciences, Hefei 230031, China

Dr. Yan Xiang

Institutes of Physical Science and Information Technology, Anhui University, Hefei 230601, China

Dr. Qihua Li

Institutes of Physical Science and Information Technology, Anhui University, Hefei 230601, China

Deadline for manuscript submissions:

closed (28 May 2024)

Message from the Guest Editors

Dear Colleagues,

Air pollution sources can be roughly classified into direct emissions, secondary production and transport. Transportation can directly deteriorate the environment through the production and emission of a large number of pollutants. The movement of warm and humid air masses likely increases secondary aerosol formation by aggravating aqueous and heterogeneous reactions.

Moreover, the variation in atmospheric oxidation capacity could also deeply influence several pollution processes; therefore, it is also critical to understand the source, distribution and transport process of atmospheric oxidants. In addition, considering their health risk to humans, it is also necessary to study the human health effects of different air pollutants.

Solicited contributions include, but are not limited to, studies on the characteristics, sources and transport analysis of air pollutants through measurements and simulations. Research on environmental monitoring instruments and models is also encouraged. We invite authors to submit original research or to review previous work and summarize the current state of the science.

Dr. Chengzhi Xing

Dr. Yan Xiang

Dr. Qihua Li

Guest Editors





an Open Access Journal by MDPI

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](#)