



Aerosol mixing state: relevance to air quality, climate and public health

Guest Editors:

Dr. Joseph Ching

Dr. Mizuo Kajino

Dr. Kouji Adachi

Dr. Zhonghua Zheng

Deadline for manuscript
submissions:

closed (15 April 2022)

Message from the Guest Editors

Dear Colleagues,

Although significant progress has been made in aerosol research in recent decades, our understanding of aerosol physicochemical properties and the interactions between aerosols, the atmosphere, and human bodies mentioned is far from comprehensive and remains uncertain. This Special Issue focuses on the aerosol mixing state and the associated impacts on climate, air quality, and public health. We welcome studies using observations, modeling, or both. Studies utilizing but not limited to microscopy and imaging, in situ field measurements, and remote sensing observations are invited. Numerical modeling efforts including process-level, particle-resolved, regional, and global models are all welcome. In addition, data-driven approaches powered by machine learning and artificial intelligence (AI) have emerged and been applied to aerosol research in recent years. Studies incorporating these innovative approaches in the landscape of aerosol mixing state research will be greatly appreciated.

Dr. Joseph Ching

Dr. Mizuo Kajino

Dr. Kouji Adachi

Dr. Zhonghua Zheng

Guest Editors





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](#)