



Chemical Composition and Sources of Particles in the Atmosphere (2nd Edition)

Guest Editors:

Dr. Shan Huang

Institute for Environmental and Climate Research, Jinan University, Guangzhou 511443, China

Dr. Wei Wei Hu

State Key Laboratory of Organic Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou 510640, China

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Message from the Guest Editors

Dear Colleagues,

The atmosphere of Earth is rich in aerosols. Their presence has a strong impact on air quality, human health, and the climate, which has been reported for several decades. In general, the fraction of different chemical components and the source contributions to aerosols in the atmosphere varies at different times and locations. A better characterization of aerosol chemical compositions and sources is key to elucidating their atmospheric fate, mitigating climate change, and protecting human health. For this Special Issue, the topics of interest include but are not limited to:

Chemical and physical properties of aerosols;
Chemical components and their mass fraction in aerosols;
Different source contribution to aerosols;
Formation and evolution mechanism of aerosols;
The environmental impact of different components of aerosols.

Dr. Shan Huang

Dr. Wei Wei Hu

Guest Editors





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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!

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Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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