

Special Issue on
Atmospheric Aerosols and Aerosol-Cloud Interactions

CALL FOR PAPERS

Aerosols are of central importance for atmospheric chemistry and physics, climate, and public health. Aerosol particles emitted by a wide range of sources, including coal-fired power plants, vehicles, wildfires, volcanoes, desert dust, and sea spray from oceans, can be transported around the globe in a time span of days or weeks. Interactions between aerosols and clouds have been poorly understood and cause high uncertainties in the prediction of weather and climate. In particular, the better understanding of the effects of those interactions on latent heat distributions and cloud dynamics is known to be a key to lowering those uncertainties.

This special issue is intended to present the current state of our scientific knowledge in the analysis of atmospheric aerosols and aerosol-cloud interactions with a discussion about the aerosol and cloud impacts on environment (e.g., temperature, humidity, latent-heat distribution, and associated dynamic or circulation fields) in terms of aerosol chemical, physical, and optical properties. Manuscripts on all aspects of atmospheric aerosols and clouds are welcome for this Special Issue. We solicit high quality, original research articles as well as review articles focused on the atmospheric aerosol/cloud and its impacts on environment applied in the fields of meteorology, environmental science, and other interdisciplinary areas.

Potential topics include but are not limited to the following:

- ▶ Aerosol/cloud chemical and physical properties
- ▶ Aerosol/cloud measurements and modeling
- ▶ Direct/indirect radiative effects of atmospheric aerosol/cloud
- ▶ Aerosol-cloud interactions

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/amete/emsa/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Chang-Hoon Jung, Kyungin Women's University, Incheon, Republic of Korea
jch@kiwu.ac.kr

Guest Editors

Seoung S. Lee, University of Maryland, College Park, USA
cumulss@gmail.com

Junshik Um, University of Illinois, Champaign, USA
jum@ou.edu

Jiyi Lee, Chosun University, Gwangju, Republic of Korea
yijiyi@chosun.ac.kr

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