Special Issue

Aerosol Measurement, Properties and Its Impacts

Message from the Guest Editors

In order to understand aerosol's effects in the atmosphere and their role in climate change, we need to understand their longevity, quantitatively predicting their emission and transportation patterns and processes. The physical, optical and chemical properties of atmospheric aerosols are difficult to study; due to the fact that the particles have various origins, they have different physical and chemical properties, and the loadings are dependent on the meteorological conditions, which facilitate or prevent particle transport from distant areas and/or limit particle formation processes from local sources. Currently, researchers use a wide range of equipment and facilities to study and describe aerosols' physical and chemical properties using measurements to test the model predictions, thereby improving the regional and global models of aerosol transport and transformation patterns. We invite inter- and transdisciplinary research papers, as well as review papers, describing the climate issues related to aerosol studies (including extreme aerosol events).

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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