



Atmospheric Aerosols Black and Brown Carbon

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

This Special Issue will be dedicated to original research and review articles focusing on this fraction of carbonaceous aerosol, through field monitoring or laboratory studies, through established or novel measurement techniques or their applications to air quality networks or atmospheric modelling. Contributions covering the following topics will be welcome:

- Field studies of carbonaceous aerosol in the ambient atmosphere
- Optical properties of carbonaceous aerosol
- Atmospheric measurement techniques for carbonaceous aerosol
- Source apportionment of carbonaceous aerosol based on black and brown carbon measurement
- Emission factors of black carbon
- Modelling studies of black carbon in the atmosphere
- Geospatial and temporal variation (including historic trends) in atmospheric black carbon levels
- Black carbon monitoring networks
- Internal mixing states of black carbon aerosol
- Surface chemistry of black carbon aerosol
- Laboratory analysis of aerosol samples
- Historic Black Smoke measurements and comparison with contemporary methods





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Editor-in-Chief

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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.

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