



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

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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.

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