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Remote Sensing of Atmospheric Aerosols over Asia: Methods and Applications

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

Asia is the most populated region in the world, with vast and still growing urban and industrial complexes and vehicle usage, as well as distinct climatic conditions. Due to all these factors, Asia produces a large number of toxic pollutants that affect human health, climate change, the Earth's radiation budget, air quality, and atmospheric visibility. Published research demonstrates that Asia contributes most to world air pollution, due to the significant increase in aerosol pollutants from both anthropogenic and natural sources. Ground-based and satellite-based remote sensing technologies play an important role in the understanding of aerosol sources and types, aerosol radiative forcing, aerosol retrievals, the formation of secondary aerosols, and estimation of particulate matter.

This SI welcomes all those manuscripts presenting advances in remote sensing techniques, new methodologies, and applications with new scientific contributions for estimation of particulate matter, aerosol type classification, aerosol optical depth retrievals, aerosol radiative forcing, and related topics.

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Message from the Editorial Board

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