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Remote Sensing Applications in Particulate Matter

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Message from the Guest Editors

Dear Colleagues,

Particulate matter (PM) pollution (including PM1, PM2.5, and PM10) is harmful to human health, and it is of great significance to carry out fine-scale monitoring and assessment. The purpose of this Special Issue, "Remote Sensing Applications in Particulate Matter", is to showcase the most recent papers on the application of remote sensing in PM research, in order to further promote the understanding of PM pollution. All aspects of remote sensing research on PM, including observation, modeling, mapping, and analysis, are welcome.

Topics of interest may include, but are not limited to:

- New satellite observation and its retrieval methods for PM
- High-resolution remote sensing retrieval and mapping of PM
- Joint retrieval and analysis of PMs
- Missing remote sensing PM data processing
- Spatiotemporally continuous monitoring of PM
- Remote sensing data assimilation for PM estimation and prediction
- Health effect assessment and analysis
- Applications.

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Guest Editors

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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