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Satellite and In Situ Observations of Air Pollution

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Articles regarding original methods and analysis and the results of studies conducted on aerosols and trace gases, which are remotely monitored from space-based or surface-based platforms (e.g., NO₂, SO₂, CO, O₃, HCHO, CH₄, N₂O, NH₃, BC), and incorporating further information from in situ observations are welcome. Specific topics of interest for this Special Issue include, but are not limited to:

- Applications of satellite and in situ data in air pollution modeling;
- Characterization of air pollution at the local and/or regional scales;
- Space-ground integrated system for air pollution monitoring;
- Impact of air pollution on urban, peri-urban and rural sites;
- Air pollution characterization by multivariate time series of remote sensing data;
- Synergistic ground-satellite products to analyze air pollutant emissions;
- Extension of remote sensing to new species, which have in situ measurements but are not currently available via existing remotely sensed products;
- Using remote sensing and in situ measurements together to constrain multiple species or impacts in tandem.



mdpi.com/si/136541

Special Issue



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Message from the Editorial Board

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