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Remote Sensing of Air Pollution

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closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

The World Health Organization (WHO) indicates that 12.6 million deaths are associated with unhealthy environments each year across the globe. The accurate monitoring of air pollution with continuous spatiotemporal coverage is urgently required.

This Special Issue aims to discuss the satellite-based monitoring and estimation of air pollution at urban, national or global scales for trace gases and aerosols and the interaction between pollutants and human activities or urbanization. The potential topics include but are not limited to the following:

- Improving air pollution retrieval techniques by artificial intelligence and machine learning algorithms.
- Investigating the variables, relations of pollutions and spatiotemporal characteristics for improving air pollution retrieval accuracy.
- Synergizing multi-source data for air pollution retrieval.
- Long-term historical air pollution data reconstruction.
- Air pollution near-real-time monitoring.
- Investigating the relation between pollution and human activity or landscape patterns.
- Analysis of the effect of urbanization on spatiotemporal changes of air pollutants.

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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