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Air Quality Research Using Remote Sensing

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Deadline for manuscript submissions:
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Message from the Guest Editors

Air pollution is a worldwide environmental hazard with serious consequences not only for health and climate, but also for agriculture, ecosystems, and cultural heritage, among others. According to the WHO, there are 8 million premature deaths every year resulting from exposure to ambient air pollution.On the other hand, air pollution and climate influence each other through complex physicochemical interactions in the atmosphere, altering the Earth's energy balance, with implications in climate change and air quality.

It is important to measure specific atmospheric parameters and pollutant compound concentrations, monitor their variations, and analyze the different scenarios aiming to assess air pollution levels and develop early warning and forecast systems as means to improve air quality and assure public health, in favor of a reduction in air pollution casualties and mitigation of climate change phenomena. This Special Issue invites contributions dealing with remote sensing of air quality, including combination with in situ data, modeling approaches, and synergy of different instrumentations and techniques.

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Message from the Editor-in-Chief

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