



Remote Sensing Techniques in Air Pollution Assessment

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Message from the Guest Editor

Air pollution is now considered to be the world's largest environmental health threat. It is also closely linked to the Earth's climate and ecosystems globally. Various pieces of equipment have been developed to assess complex air pollution in recent decades. With the advantage of large area coverage and repetitive monitoring, remote sensing techniques have become more popular in the last few years. Remote sensing techniques have been used to assess different air pollutants, including particulate matter, ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, VOCs, and so on. With the development of satellite sensors and data science, more possibilities can be found today.

The purpose of this Special Issue, "Remote Sensing Techniques in Air Pollution Assessment", is to discuss novel remote sensing techniques in air pollution assessment. This Special Issue accepts papers related to (but not limited to) remote-sensing-based retrieval methods, validation methods, visualization methods, and analytical methods for air pollution assessment.





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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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