



Advances in Infrared Observation of Earth's Atmosphere II

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Message from the Guest Editors

Remote sensing is an essential tool for the study of the climate system as it can measure the electromagnetic radiation emitted or reflected by the atmosphere and by surfaces. Remote sensing, especially in the infrared, has boomed over the past few years. This is the result of constant technical and technological developments, including space missions, which require the quality and reliability of satellite platforms and the measuring instruments they carry. With the increase in observations, there is an improvement in the quantification of climatic variables (greenhouse gases, clouds, and aerosols), weather variables (water vapor, temperature, wind, and cloud cover), and the monitoring of air quality (particulate and gaseous pollution) or atmospheric chemistry (trace gases).

The Special Issue will present the latest advances in the advanced infrared observation of Earth's atmosphere, including innovative applications in meteorology, climatology and atmospheric physics, and a validation of retrievals based on independent measurements.

This Special Issue is the second edition of Special Issue: **“Advances in Infrared Observation of Earth's Atmosphere”**.





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