Special Issue

Advances in Infrared Observation of Earth's Atmosphere II

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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Message from the Editor-in-Chief

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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