remote sensing

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Remote Sensing of Greenhouse Gases and Air Pollution

Guest Editors:

Dr. Jane Liu

Dr. Liangfu Chen

Prof. Dr. Weimin Ju

Dr. Xiaozhen Xiong

Prof. Dr. Fred Moshary

Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editors

Dear colleagues,

Continuous increases in human population and human activities have resulted in remarkable changes in the compositions of the atmosphere since the industrial revolution. Climate change and air pollution are two major consequences of such changes. The scientific understanding of these two issues requires a variety of observations of the atmosphere in different platforms. Among them, satellite remote sensing has added a new dimension to these observations. Remote sensing of greenhouse gases has already illustrated promising applications related to climate change studies. Remote sensing data are being more and more widely used in the monitoring of air pollution, which helps to identify variations of air pollutants in space and time and untangle the underlying mechanisms responsible for these variations.

This Special Issue invites contributions on recent advances in remote sensing of greenhouse gases (i.e., CO_2, CH_4, N_2O, H_2O, and tropospheric O_3), polluted gases and particular matters (i.e., tropospheric O_3, CO, SO_2, NO_2, and aerosols), as well as the applications of these remote sensing data for climate change and air pollution studies.

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Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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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Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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remotesensing@mdpi.com
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