

Special Issue

Advances in Atmospheric Greenhouse Gases Observation and Remote Sensing Applications

Message from the Guest Editors

This Special Issue focuses on the recent progress in atmospheric greenhouse gas observation and remote sensing applications. It aims to collect studies that showcase the state-of-the-art technologies, methods, and scientific findings in this field. Topics covered in this Special Issue may include, but are not limited to, the following:

- Greenhouse gas concentration mapping and trend analysis;
- Remote sensing sensor development and calibration;
- Atmospheric transport and dispersion modelling of greenhouse gases;
- Greenhouse gases data assimilation;
- Greenhouse gas emissions estimation;
- Validation and comparison of different observation techniques;
- New algorithms and data processing techniques for greenhouse gas remote sensing;
- Impacts of greenhouse gas changes on climate and ecosystems;
- Case studies of regional or local greenhouse gas monitoring and analysis.

Guest Editors

Dr. Ailin Liang

Dr. Yawen Kong

Dr. Simone Lolli

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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About the Journal

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.

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

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