

Special Issue

Using Remote Sensing Technology to Quantify Greenhouse Gas Emissions

Message from the Guest Editors

Monitoring anthropogenic greenhouse gas emissions using a top-down approach has become an important supplement to the existing bottom-up verification systems. In recent years, estimating fluxes at regional and urban scales using greenhouse gas concentration observations from satellite remote sensing has become a popular research area. Moreover, the rapidly advancing imaging spectrometer technology provides unprecedented tools for identifying point sources of greenhouse gases. These emerging technologies are rapidly evolving, providing more effective tools for addressing anthropogenic climate change. This Special Issue focuses on cutting-edge research which utilises advanced remote sensing technologies to measure greenhouse gas emissions, encompassing both theoretical and methodological innovations as well as application experiments. We aim to advance the role of remote sensing technologies in monitoring, verifying, and reporting carbon emissions, and we hope to see these emerging technologies better serve humanity's collective efforts to combat climate change.

Guest Editors

Dr. Ge Han

Dr. Simit Raval

Dr. Tianqi Shi

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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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Message from the Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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