Special Issue

Satellite-Based Climate Change and Sustainability Studies

Message from the Guest Editors

The issue will focus on innovative approaches and techniques that utilize remote sensing measurements to address climate change challenges and promote sustainability as well as explore the vast potential of satellite-based applications in monitoring and understanding climate change phenomena.

- Applications of remote sensing observations in monitoring climate change and variations.
- Satellite-based monitoring of greenhouse gas emissions and atmospheric composition.
- Remote sensing of land use and land cover changes for climate change impact assessment.
- Applications of remote sensing for water resource management and conservation.
- Satellite-based monitoring of ecosystem functions, processes and biodiversity for sustainability assessments.
- Applications of remote sensing technology in renewable energy planning and development.
- Satellite-based approaches for disaster management and risk reduction in the context of climate change.
- Remote sensing applications on the water–energy–food–health nexus.
- Ecosystem vulnerability and resilience from remote sensing.

Guest Editors

Prof. Dr. John J. Qu

Prof. Dr. Xianjun Hao

Dr. Zhiliang Zhu

Deadline for manuscript submissions

closed (28 February 2025)

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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.

Editor-in-Chief

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