



Satellite-Based Climate Change and Sustainability Studies

Guest Editors:

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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.





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Message from the Editor-in-Chief

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