

Special Issue

Regional Climate Change and Application of Remote Sensing

Message from the Guest Editors

Evidence of climate change comes from various phenomena, such as global warming, changes in spatio-temporal patterns in precipitation, more frequent and intense extreme events. Remote sensing has made significant progress in understanding climate change by quantifying the state and variability of the atmosphere, land and ocean. This Special Issue aims to seek innovative solutions related to regional climate change based on remote sensing and from a sustainable perspective. Topics may include (but are not limited to) the following:

- Satellite-based monitoring of extreme weather events, including droughts, wildfires, land and ocean heat waves, floods, etc.
- Remote sensing surveys of biological responses to climate change, in terms of physiology, growth, abundance, geographic placement and shifting seasonal timing, etc.
- Analysis of various losses induced by climate change based on remote sensing big data, looking at local species, economic livelihoods, food security and nutrition, etc.
- Evaluation of the capacity of nature and humanity to adapt to climate change using remote sensing data; for example, in terms of the potential of renewable energy resources.

Guest Editors

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Deadline for manuscript submissions

closed (23 October 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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