



## Regional Climate Change and Application of Remote Sensing

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Deadline for manuscript  
submissions:

**closed (23 October 2024)**

### Message from the Guest Editors

Dear Colleagues,

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.





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## Message from the Editor-in-Chief

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**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

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