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

Dr. Jun Qin

State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China

Dr. Hou Jiang

State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences (CAS), Beijing 100101, China

Deadline for manuscript submissions

closed (23 October 2024)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/114734

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

About the Journal

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. *Sustainability* publishes original research articles, review 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

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)