Special Issue

Remote Sensing for Climate Change

Message from the Guest Editor

Observations from weather stations have been widely used to study climate change over a long period of time. However, due to the scarcity of point-based weather observations, our understanding of the Earth's changing climate is very limited. Remote sensing offers a new way of observing the Earth's climate system with continuous and high-resolution spatial coverage through satellite-based, aircraft-based, or drone-based sensor technologies. The data collected with remote sensing technologies can also be used to validate our climate models, improve our knowledge of the physical and dynamical processes of the climate system, and help us to project future climate change and its impacts with minimized uncertainties. This Special Issue focuses on the latest research advances in remote sensing technologies and their applications for observing, understanding, modeling, visualizing, and communicating climate change and the potential impacts on agriculture, water, air quality, energy, land use/cover, flood, drought, wildfire, urban infrastructure, ecosystem, human health, glaciers, permafrost, ice sheet, sea level rise, etc.

Guest Editor

Prof. Dr. Xander Wang

Canadian Centre for Climate Change and Adaptation, University of Prince Edward Island, 100 Pownal Street, St. Peters Bay, Charlottetown, PE C0A 2A0, Canada

Deadline for manuscript submissions

closed (30 November 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/35627

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

About the Journal

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

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)