

Special Issue

Antarctic Remote Sensing Applications

Message from the Guest Editors

The remote and inhospitable Antarctica is one of the last frontiers on Earth. Due to limited human presence and mobility, Antarctica has been and is investigated through data acquired by remotely operated sensors deployed on the field or mounted on aerial or space platforms. Several changes have occurred and are underway in Antarctica, mostly driven by climate change but also by tectonics, volcanism, and erosion, causing the adaptation of the Antarctic biota's occupation and mobility, and of human presence. Such changes may be detected through sensors, methods, techniques, and remote sensing data. Research papers focused on Antarctica that analyze data acquired by remotely operated sensors within the scope of *Remote Sensing* are welcome to this Special Issue, in particular:

- Antarctic climate change effects on icesheet and permafrost state and evolution;
- Antarctic landform formation by tectonics, volcanism, and erosion;
- Antarctic biota occupation and mobility;
- Antarctic past and recent human presence

Guest Editors

Dr. Gonalo Prates

Instituto Superior de Engenharia, Universidade do Algarve, 8005-139 Faro, Portugal

Prof. Dr. Manuel Berrocoso Dom nguez

Facultad de Ciencias, Universidad de C diz, 11519 Puerto Real, C diz, Spain

Deadline for manuscript submissions

closed (3 November 2023)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/101703

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



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)