



an Open Access Journal by MDPI

# Advances in Remote Sensing in Glacial and Periglacial Geomorphology

Guest Editors:

### Prof. Dr. José Juan de Sanjosé Blasco

Department of Graphic Expression, Polytechnic School, University of Extremadura, 10003 Cáceres, Spain

#### Dr. Manuel Gómez Lende

Department of Geography, Urban and Regional Planning, Universidad de Cantabria, 39005 Santander, Spain

#### Prof. Dr. Enrique Serrano Cañadas

Department of Geography, University of Valladolid, 47011 Valladolid, Spain

Deadline for manuscript submissions: closed (30 June 2024)

## Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on contributions to the knowledge of changes in the cryosphere through the application of remote sensing. The main aim is the application of remote sensing to the retreat and disappearance of glaciers; the dynamics, velocity and volume changes in rock glaciers and ice caves; the changes in processes related to permafrost; and the degradation of ice in the cryosphere in any modality. These processes are analysed using varies techniques of remote sensing, applied individually or combined, to learn the behaviour of ice on Earth.

This focus fits the aim of the journal as a monograph focused on applied studies of the cryosphere by means of multi-spectral and hyperspectral remote sensing; lidar and laser scanning; geometric reconstruction; change detection; image processing and pattern recognition; operational processing facilities; spaceborne, airborne and terrestrial platforms; and remote sensing applications.



mdpi.com/si/147788







an Open Access Journal by MDPI

# **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

## 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.

# **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)

# **Contact Us**

*Remote Sensing* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/remotesensing remotesensing@mdpi.com X@RemoteSens\_MDPI