Special Issue

Objective Mapping of Terrestrial and Planetary Surface Features: Remote Sensing in Geosciences

Message from the Guest Editor

This SI aims to compile the latest research on remote sensing applications for the objective mapping of surface features. This SI invites papers on the aforementioned topics related to the objective mapping of natural surface features. This includes the construction of inventories detailing the geometrical characteristics of these geomorphic features and the analysis of their dynamics through these features. This extends to features associated with external or internal geological processes, trace fossils, atmospheric gases, and any feature studied in geoscience that can be automatically examined by robotic sensors in the near future. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: The objective mapping of geomorphic features for geoscience studies.
Making realistic inventories of surface features on planetary bodies.
Detection and measures of earth surface changes using multitemporal remote sensing signals.
Mapping, modeling, and/or monitoring approaches in earth surface changes and deformations.
Automatic landmark extraction to the geometric morphometrics analyses of body fossil remains.

Guest Editor

Prof. Dr. Alberto González-Díez

Departamento de Ciencias de la Tierra y Física de la Materia Condensada (Earth Science and Condensed Matter Physics Department), Universidad de Cantabria, Cantabria, Spain

Deadline for manuscript submissions

14 November 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/193440

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

mdpi.com/journal/remotesensing

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)