



Quantifying Digital Geomorphology and Planetary Geomorphology Using Remote Sensing Techniques

Guest Editors:

Prof. Dr. Weiming Cheng

Chinese Academy of Sciences,
Beijing, China

Prof. Dr. Gino Dardanelli

Department of Engineering,
Università degli Studi di Palermo,
90100 Palermo, Italy

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

With the continuous promotion of remote sensing and sample studies on Mars, Venus, the moon, and other celestial bodies, on the basis of classical global geomorphology, understanding the mechanisms and effects of geomorphological formation and evolution, geology and geomorphology, environmental evolution, and the effects of geomorphology on the stars can better serve Earth science research.

This Special Issue welcomes research on quantitative and planetary geomorphology using remote sensing data acquired using different sensors and platforms. Research topics may cover digital geomorphology on scales ranging from regional to global, and even planetary. Additionally, we welcome digital topographic analyses using DEM data from different sources and of varying resolutions.

Articles may address, but are not limited to, the following topics:

- Geomorphological classification and mapping;
- Geomorphological information Tupu;
- Geomorphological disasters;
- Permafrost change monitoring;
- Digital topographic analysis;
- Ground subsidence monitoring;
- Lunar carter extraction;
- Water inrush disasters.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)