



Planetary Geologic Mapping and Remote Sensing (Second Edition)

Guest Editors:

Dr. Kaichang Di

State Key Laboratory of Remote Sensing and Digital Earth,
Aerospace Information Research
Institute, Chinese Academy of
Sciences, Beijing 100101, China

Prof. Dr. Long Xiao

School of Earth Sciences, China
University of Geosciences, Wuhan
430074, China

Prof. Dr. Jan-Peter Muller

Head, Imaging Group, Mullard
Space Science Laboratory,
Department of Space & Climate
Physics, University College
London (UCL), Holmbury St Mary,
RH5 6NT, UK

Deadline for manuscript
submissions:

closed (31 July 2025)

Message from the Guest Editors

Planetary geologic mapping is largely based on analyses of various remote sensing data acquired by space missions and is fundamental in understanding the formation and evolution of planetary surfaces and shallow subsurfaces. Planetary remote sensing techniques and the ever-increasing data have greatly supported geologic mapping, as well as other scientific studies of the Moon, Mars and other planetary bodies in the solar system.

This is the second edition of the Special Issue “Planetary Geologic Mapping and Remote Sensing”. The first edition was a great success and attracted much attention in the scientific community.

We welcome new submissions on the recent advances in planetary geologic mapping and planetary remote sensing. Articles may address, but are not limited to, the following topics: Planetary geologic mapping; Planetary geomorphologic mapping; Photogrammetric remote sensing of planetary surfaces; Spectroscopic remote sensing of planetary surfaces; Remote sensing methods, data calibration and validation; Planetary GIS for geologic mapping; Recent and future planetary exploration missions; Landing sites studies; Analog studies.





an Open Access Journal by MDPI

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

Message from the Editorial Board

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](https://twitter.com/RemoteSens_MDPI)