



Remote Sensing and Photogrammetry Applied to Deep Space Exploration

Guest Editors:

Dr. Bin Liu

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

Dr. Mao Ye

State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430072, China

Dr. Philipp Gläser

Institut für Geodäsie und Geoinformationstechnik, Technische Universität Berlin, Kaiserin-Augusta-Allee 104, 10553 Berlin, Germany

Deadline for manuscript submissions:

1 October 2024

Message from the Guest Editors

Deep space exploration is at the forefront of scientific and technological development. Many countries and institutions have successfully implemented various deep space exploration missions, such as Lunar, Mars, and asteroid exploration, and will continue to carry out exploration missions in the future, including manned lunar exploration, lunar scientific research stations and manned Mars exploration. Remote sensing and photogrammetry play a crucial role in supporting these major tasks, which include global or key area mapping, mineral inversion, landing site selection, landing point positioning, and rover navigation and positioning.

This Special Issue aims to present and exchange studies focusing on the application of remote sensing and photogrammetry in deep space exploration in recent years. The scope of this Special Issue includes, but is not limited to, the following topics:

- lunar and planetary remote sensing;
- lunar and planetary mapping;
- lunar and planetary photogrammetry;
- lunar and planetary geodesy;
- lunar and planetary reference frames;
- lunar and planetary surface navigation and positioning.





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)