

Special Issue

Planetary Geodesy and Geophysics of Asteroid: Data and Modeling

Message from the Guest Editors

The aim of the Special Issue will be to highlight the latest advances, problems, and challenges and to present the latest research results in the field of the geodesy and geophysics of small bodies. It will focus on all aspects of topography, gravity field, rotation modeling, and internal structure as well as thermal evolution. Any research articles related to such topics is encouraged, and review articles are welcome in particular. Potential topics include but are not limited to the following:

- Precise asteroid topography modeling;
- Precise spacecraft orbit determination and autonomous navigation for the exploration of small bodies;
- Potential improvements in asteroid gravity field modeling;
- Gravity field modeling of comets and asteroids with an irregular shape;
- Potential improvements in the rotation of small bodies with current and future exploration missions;
- The interior structure of asteroids with current geodetic and geophysical constraints;
- The thermal evolution of asteroids with the constraints imposed by recent gravity and topography data.

Guest Editors

Prof. Dr. Jianguo Yan

Prof. Antonio Genova

Prof. Dr. Jean-Pierre Barriot

Deadline for manuscript submissions

closed (1 December 2023)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/113616

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



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)