

## Special Issue

# Advanced Methods for Motion Estimation in Remote Sensing

### Message from the Guest Editors

This Special Issue aims to serve as a platform for researchers to share their findings, innovations, and insights in the application of advanced methods for motion estimation in remote sensing. We are particularly interested in manuscripts that showcase the use of these methods in real-world scenarios, bridging the gap between theoretical developments and practical applications. Articles may address, but are not limited to, the following topics:

- The retrieval of atmospheric motion vectors;
- Oceanic current dynamics and estimation;
- Cloud motion patterns and their implications;
- Dynamics of glacial movements;
- Technical advancements and computational challenges in image registration, optical flow, and image alignment techniques;
- Comparative studies highlighting the benefits and limitations of different motion estimation methods

---

### Guest Editors

Dr. Igor Yanovsky

1. Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, CA 91109, USA

2. Department of Mathematics, University of California, Los Angeles, CA 90095, USA

Dr. Jing Qin

Department of Mathematics, University of Kentucky, Lexington, KY 40506, USA

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/188520](https://mdpi.com/si/188520)

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

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





# Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



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



## About the Journal

### 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.

---

### 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

---

### 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)