

## Special Issue

# Editorial Board Members' Collection Series: "Recent Progress of GNSS/GPS Radio Occultation Techniques"

### Message from the Guest Editors

In recent decades, global navigation satellite systems (GNSS), including the global positioning system (GPS), have provided unique opportunities to sense the Earth's environments from a variety of observing geometries with relatively low-cost sensors. The application of radio occultations (RO) for numerical weather prediction, ionosphere, and space weather has been growing. This is explained by the fact that RO observations, which are unique in some respects, allow achieving high accuracy and vertical resolution in sounding the Earth's atmosphere and ionosphere.

GNSS-RO measurements are fundamentally self-calibrating and do not require any external calibration source. As a result, they can be assimilated into numerical weather prediction models without any bias correction and are ideally suited for long-term climate monitoring. In recent years, the potential values of GNSS reflections in a wide array of Earth science and applications, including coastal altimetry, ocean winds, and soil moisture, have garnered increasing attention.

---

### Guest Editors

Dr. Shu-peng Ho

National Oceanic and Atmospheric Administration,  
NESDIS/STAR/SMCD, College Park, MD 20740-3818, USA

Dr. Michael E. Gorbunov

A.M. Obukhov Institute of Atmospheric Physics, Russian Academy of Sciences, 119017 Moscow, Russia

---

### Deadline for manuscript submissions

closed (15 May 2024)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/149104](https://mdpi.com/si/149104)

*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 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)