

## Special Issue

# GNSS Atmospheric Modelling

### Message from the Guest Editor

This Special Issue aims to address remaining challenges in modeling atmospheric effects on ground and space-based multi-constellation GNSS positioning applications, including: improved regional and global total electron content (TEC) modeling and accuracy measures, scintillation characteristics and forecast models, GNSS ionospheric monitoring systems for aviation safety, tropospheric gradient models, and tomographic approaches. We encourage submissions describing case studies and new developments in tsunami monitoring and early warning systems through GNSS ionospheric observations, the impact of GNSS observations on space weather nowcast and forecast models, TEC and scintillation monitoring through radio occultation, and water vapor estimation through GNSS observations and its assimilation into numerical weather prediction models.

### Guest Editor

Dr. Reza Ghoddousi-Fard

Canadian Geodetic Survey, Natural Resources Canada, 588 Booth Street, Ottawa, ON K1A 0E4, Canada

### Deadline for manuscript submissions

closed (1 July 2022)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/85874](https://mdpi.com/si/85874)

*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)