

## Special Issue

# Bridging the Proximal and Remote Sensing Spectroscopy for Soil Properties Estimation and Monitoring

### Message from the Guest Editors

The sustainable management of soil health and its state require constant assessment and monitoring of a high number of soil properties at different time frames and spatial scales, which presents a challenge when utilizing costly and time-consuming conventional analytical methods. Reflectance spectroscopy has proven to be a reliable, cheap, and environmentally friendly technique for the estimation of basic and some functional soil properties. Its application extends from the laboratory benchtop and in situ portable or on-the-go sensors to the most recent remote (drone, aircraft and spaceborne) sensors, enabling a much bigger scale of investigation and potentially enabling a mapping of the spatial distribution of soil properties.

In this Special Issue, we would like to invite contributions reporting on the application of soil spectroscopy across visible near infrared; vis-NIR (400–2500 nm), mid-wave infrared; MWIR (3000–5000 nm) and long-wave Infrared; the LWIR (7000–12000 nm) spectral range.

---

### Guest Editors

Dr. Maria Knadel

Prof. Dr. Sabine Chabrilat

Dr. Johanna Wetterlind

Dr. Asa Gholizadeh

---

### Deadline for manuscript submissions

closed (15 June 2022)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/32260](https://mdpi.com/si/32260)

*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)