



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

Guest Editors:

**Dr. Maria Knadel**

**Prof. Dr. Sabine Chabrilat**

**Dr. Johanna Wetterlind**

**Dr. Asa Gholizadeh**

Deadline for manuscript  
submissions:

**closed (15 June 2022)**

### **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.





an Open Access Journal by MDPI

## 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

## 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.

## 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*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)