



## Remote Sensing in Precision Agriculture Production

Guest Editors:

**Prof. Dr. Abdul Rashid  
Mohamed Sharif**

**Dr. Sanaz Shafian**

**Dr. Redmond R. Shamshiri**

**Dr. Siva Kumar Balasundram**

Deadline for manuscript  
submissions:  
**closed (31 December 2023)**

### Message from the Guest Editors

This Special Issue aims to bring together research reports that describe new, recently developed perspectives in remote sensing for precision agriculture applications, based on innovative tools emerging from basic and applied research. The objective of the Special Issue is to increase awareness of the implications of using remote sensing solutions, including but not limited to

- (1) data generation and comparison using smart sensors and satellite imagery,
- (2) data analysis methods for estimation of crop traits,
- (3) monitoring of crop growth for the detection of crop stress, estimation of yield for recommending harvesting dates, and improving crop quality,
- (4) precision management of resources from different remote sensing platforms for managing plant disease problems in a balanced and optimized manner, and
- (5) the use of artificial intelligence, Internet-of-Things, digital twin, and other new cutting-edge research topics in the area of remote sensing for precision agriculture.

Guest Editors

Prof. Dr. Abdul Rashid Mohamed Sharif  
Dr. Sanaz Shafian  
Dr. Redmond R. Shamshiri  
Dr. Siva Kumar Balasundram





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)