

## Special Issue

# Precision Agriculture and Crop Monitoring Based on Remote Sensing Methods (Second Edition)

### Message from the Guest Editors

Precision agriculture using remote sensing techniques is pivotal in optimizing crop yields, managing resources efficiently, minimizing environmental impacts, and diagnosing crop health issues. We invite researchers to submit original research articles, comprehensive reviews, and insightful case studies focusing on cutting-edge applications of remote sensing technologies in agriculture.

We seek contributions that showcase innovative uses of satellite imagery, UAVs (drones), multispectral and hyperspectral sensors, LiDAR, and radar for agricultural tasks such as crop monitoring, soil analysis, pest and disease detection, water resource management, and yield forecasting. We particularly encourage submissions that explore, but are not limited to, the integration of artificial intelligence (AI) and machine learning (ML) in data analysis, and those that discuss the challenges, limitations, and potential of using remote sensing to transform agriculture.

Topics of interest include, but are not limited to, the following:

- **Crop Monitoring and Management**
- **Soil Analysis**
- **Pest and Disease Detection**
- **Water Resource Management**
- **Yield Prediction and Forecasting**

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### Guest Editors

Prof. Dr. Renan Falcioni  
Dr. Renato Herrig Furlanetto  
Dr. Luis Crusiol

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### Deadline for manuscript submissions

31 October 2026



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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## 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.

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### Editors-in-Chief

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