Special Issue

Precision Agriculture and Crop Monitoring Based on Remote Sensing Methods

Message from the Guest Editors

Precision agriculture is pivotal in optimizing crop yields, managing resources more efficiently, minimizing environmental impacts, and diagnosing crop health issues using remote sensing techniques. Recent advancements in sensor technologies and novel data processing methods are unlocking new possibilities for modern agricultural practices. We invite researchers to submit original research articles, comprehensive reviews, and 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 various agricultural tasks and particularly encourage submissions that explore, but are not limited to, the integration of artificial intelligence and machine learning in data analysis or those that discuss the challenges, limitations, and future potential of remote sensing in transforming agriculture. Contributions are encouraged in, but not limited to, the following:

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

Guest Editors

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Deadline for manuscript submissions

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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

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