Special Issue

Plant Disease Detection and Recognition Using Remotely Sensed Data

Message from the Guest Editors

Plant diseases pose significant threats to crop yields and forest health globally, exacerbated by factors like extreme weather events and climate change. Detecting and recognising these diseases early in their development stages, in a high-throughput and non-destructive manner, is critical for effective management. Remote sensing technologies have witnessed remarkable advancements in plant disease detection and recognition over the last decade, ranging from ground-based vehicles to satellite platforms, employing various sensing methods such as RGB imaging, hyperspectral imaging, thermal imaging, fluorescent technologies, spectroscopy technologies, and LiDAR techniques, coupled with sophisticated data processing methods. This Special Issue aims to showcase the state-of-the-art methods for detecting and recognising plant diseases by sensing the biological and physiological stress induced by pathogens in plants using remotely sensed data.

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Deadline for manuscript submissions

31 January 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/205099

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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.

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