Special Issue

Current Status and Applications of Remote Sensing in Plant Pest and Disease Detection

Message from the Guest Editors

Plant pests and diseases threaten agriculture by reducing yields, degrading food quality, and causing economic losses, jeopardizing global food security. Early detection and management are crucial for sustaining crop production. Remote sensing, with its efficiency, non-destructive nature, and real-time capabilities, is a powerful tool for monitoring plant health, offering advantages in accuracy, scale, and efficiency. Widely applied in agriculture, it enhances disease detection and management. Based on the above, we are pleased to announce a Special Issue of *Agronomy* on "Current Status and Applications of Remote Sensing in Plant Pest and Disease Detection", which will focus on the following:

- The current state of remote sensing technologies in detecting plant pests and diseases;
- The integration of multispectral, hyperspectral, and thermal imaging techniques for accurate pest and disease identification;
- Innovative applications of remote sensing in crop health monitoring across various agricultural environments;
- Challenges in achieving reliable pest and disease detection under diverse field conditions.

Guest Editors

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Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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