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# Crop Disease Detection Using Remote Sensing Image Analysis

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## Message from the Guest Editor

Climate change and climate variability impact requires strategic innovations for timely and accurate plant disease assessment. Crop condition monitoring has a significant impact on disease control, limiting the tremendous effect to agricultural production, degrading yield and quality and consequently leading to severe financial loss for farmers. Remote-sensing-based technologies have proven more effective compared to conventional ones on occasions where iterative large-scale measurements are needed as the only sole method for data acquisition. Recently, different approaches that are oriented to disease monitoring and detection through employing optical sensors fitted on a variety of platforms have been demonstrated, including portable solutions to satellite, aircraft, and UAVs for efficient crop monitoring. Simultaneously, noticeable progress in the AI field enables successful supervised and unsupervised image analysis based on deep learning methods to enhance the performance of crop health monitoring. This Special Issue aims to gather relevant research work of novel applications that employ remote sensing techniques for plant disease detection.

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## Message from the Editor-in-Chief

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