



## Multi- and Hyper-Spectral Imaging Technologies for Crop Monitoring

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### Message from the Guest Editors

As the global population proliferates, greater pressure is placed on modern agriculture to produce more food. However, crops are facing various threats from abiotic and biotic stress, including drought, salt, freezing, diseases, insects, and weeds, among others. Accurately monitoring the growing status of crops in a timely manner under various stresses is crucial to crop cultivation, protection, phenotyping, as well as seed breeding. Optical sensing technology has been explored extensively for crop monitoring, with multi- and hyper-spectral imaging technologies that can provide both spectral and imaging information playing a vital role.

This Special Issue focuses on the development and application of multi- and hyper-spectral imaging equipment/systems and advanced analyzing algorithms in crop monitoring in the field or in greenhouses. This Special Issue will fully embrace inter- and trans-disciplinary studies from multiple domains (e.g., agricultural sciences, agricultural engineering, optical engineering,) in the co-construction of knowledge for sustainable agriculture. All types of articles, such as original research and review papers, are welcome.





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