

## Special Issue

# Multi- and Hyper-Spectral Imaging Technologies for Crop Monitoring—2nd Edition

### Message from the Guest Editors

As the global population proliferates, greater pressure is placed on modern agriculture to produce more food. However, crops face various threats from abiotic and biotic stresses, including drought, salt, freezing, diseases, insects, weeds, etc. Accurately monitoring the growing status of crops in a timely manner under various stresses is crucial to crop cultivation, protection, phenotyping, and seed breeding. Optical sensing technology has been explored extensively for crop monitoring, with multi-/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 technologies 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, and optical engineering) in the co-construction of knowledge for sustainable agriculture. All types of articles, such as original research and review papers, are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 August 2025)



## Agriculture

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### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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