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Estimation of Crop Phenotyping Traits using Unmanned Ground Vehicle and Unmanned Aerial Vehicle Imagery

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is focused on the latest innovative research results in the field of remote sensing technology, sensor technologies, and imagery algorithm development and applications specifically addressing issues estimating the crop phenotyping traits based on UGV and UAV imagery. The list below provides a general (but not exhaustive) overview of the topics that are solicited for this Special Issue:

- UGV and UAV platforms application for crop phenotyping traits
- Imagery algorithms (data fusion, segmentation, classification, machine learning, and deep learning, etc.) to estimate crop phenotyping traits
- Sensors (RGB, multispectral, hyperspectral, thermal, Lidar, fluorescence, etc.) application for crop phenotyping traits
- Combination of different sensors data to improve the estimation accuracy of crop phenotyping traits
- Data assimilation of multisource images into two- or three-dimensional crop models

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Special Issue