

Special Issue

Revolutionizing Crop Management: Integrating UAV Technology for Precision Agriculture

Message from the Guest Editors

Precision agriculture is a modern farming strategy that places emphasis on site-specific crop management to respond to spatial and temporal field variability in crop growth, soils, and environmental conditions. It is made possible through integrating UAV technology for real-time or near-real-time observations and assessments of crop conditions throughout the growing season. UAVs equipped with various sensors allow imaging crops at a canopy level, enabling a fast and convenient field-level quantification and estimation of crop height, stresses, pest occurrence, and crop yield, which enhances the efficiency of decision making and operations compared to conventionally manned field surveys. Based on the above, we initiated a Special Issue in *Agronomy*, which will focus on, among other things, the following:

- The spatial and temporal analysis and zoning of field-level variability with UAVs;
- Combining UAV technology with other methods in precision agriculture;
- Crop sensing with UAV multispectral, hyperspectral, and other sensors;
- Applications of crop management enabled by UAV technology;
- Spray and seeding applications with UAVs.

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Editor-in-Chief

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