

Special Issue

Unmanned Aerial System for Crop Monitoring in Precision Agriculture

Message from the Guest Editors

Unmanned Aerial Systems (UASs) have become a cornerstone of modern precision agriculture, fundamentally transforming the methods of crop monitoring and management. They provide an unparalleled platform for capturing high-resolution, real-time data on crop health, growth status, and field conditions. Therefore, a deeper understanding of how UAS can enhance the assessment of crop growth, nutrient status, stress conditions, yield, and quality is of crucial importance. This Special Issue focuses on the application of UAS in crop phenotyping, growth monitoring, disease detection, and yield and quality estimation. Significant emphasis is placed on advanced data analytics, including machine learning and deep learning algorithms, for the automated interpretation of complex UAS-derived datasets to develop predictive models, yield maps, and precise application prescriptions. We welcome all types of contributions, such as original research articles, opinions, and reviews.

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Message from the Editor-in-Chief

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