



Novel Applications of UAV and Image Processing for Agriculture

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Message from the Guest Editor

Equipped with advanced imaging sensors, UAVs can capture subtle the changes in and features of plants, providing a detailed understanding of crop health. These sensors can measure indicators such as the chlorophyll content, leaf area index, and plant height, helping farmers and researchers monitor the crop growth conditions and potential issues.

Furthermore, UAV imaging technology can also be used for crop biomass estimation and yield prediction. By collecting a large amount of UAV image data and combining image processing algorithms and machine learning techniques, researchers can establish accurate models to estimate the crop biomass and predict the yield.

This Special Issue's research articles will provide useful insights into the most recent developments in UAV imaging technology. The utilization of advanced imaging sensors and image processing algorithms is particularly important, with a specific focus on crop health, biomass estimation, yield prediction, and pest and disease forecasting. We want original research, viewpoints, and reviews to encourage a thorough conversation on this important subject.





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Message from the Editor-in-Chief

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