



## UAVs for Vegetation Monitoring

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Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editors

Dear Colleagues,

Global crop production faces a major challenge regarding sustainability in the context of a rapidly growing world population and the gradual diminishing of natural resources. Unmanned aerial vehicles (UAVs) equipped with perception systems have demonstrated suitability in the timely assessment and monitoring of vegetation.

This Special Issue welcomes original and innovative papers demonstrating the use of UAVs for remote sensing applications in the areas of agricultural, forestry, and natural resources managements. Specific topics include, but are not limited to:

- UAV configuration and specifications for forest or agricultural applications;
- Object- or pixel-based image analysis approaches for vegetation monitoring;
- Biotic (weeds, disease) and abiotic (water, nutrition deficiencies) stress factors—sensing and modeling;
- Precision agriculture applications;
- UAV image pre-processing for radiometric, spectral and spatial calibration, and mosaicking;
- Development, integration, and testing of new and emerging sensors and technologies for UAV-based crop management.





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## Message from the Editor-in-Chief

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