Special Issue

UAVs for Vegetation Monitoring

Message from the Guest Editors

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.

Guest Editors

Dr. Ana de Castro Megías

Dr. Yeyin Shi

Dr. Jose M. Peña

Prof. Dr. Joe Maja

Deadline for manuscript submissions

closed (31 March 2021)

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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