

Special Issue

UAV Imagery for Precision Agriculture

Message from the Guest Editor

Unmanned aerial vehicles (UAVs) are a potential disruptive remote sensing technology that may have strong impacts on the future of farming and specifically on the implementation of precision agriculture. As precision agriculture is foremost concerned with managing the spatio-temporal variability within fields or orchards, it sets high standards for monitoring crops over the season. In many ways, UAV imagery can fulfill these demands even better than satellite-based remote sensing or proximal sensing because image acquisition is not limited by factors such as cloud coverage or traffic lanes. In fact, flight planning and camera sensor equipment can be highly adapted to the needs of the application. Low-altitude flight campaigns yield ultra-high-resolution imagery that even resolves individual plants, species, or pests. 3D canopy information can be estimated from overlapping imagery with structure from motion. This enables new dimensions for the site-specific and selective treatment of crops unprecedented in agriculture.

This Special Issue of Remote Sensing asks for papers related to new technological advancements in the application of UAV imagery for precision agriculture.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

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.

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