

## Special Issue

# UAS Technology and Applications in Precision Agriculture

### Message from the Guest Editors

In terms of data acquisition accuracy, cost-effectiveness, flexibility and high productivity, integrated UAV-based remote sensing systems provide the foundation for the development of precision agriculture applications. Although UAV-based remote sensing systems have been utilized in small plot trials, the full utilization of these systems throughout the whole life cycle of crops to monitor and quantify field-level variability has been very limited until now. UAV technologies present a unique opportunity to improve the overall farming efficiency by allowing for the high temporal and spatial resolution monitoring of crops at the field level. The Special Issue aims to connect current knowledge about UAV-based remote sensing technologies and methodologies. Topics may cover UAV-based HTP (high-throughput phenotyping) system development in general, as well as its integration with other state-of-the-art innovations, including, but not limited to, digital twins, in-season crop management decisions, machine learning/artificial intelligence, data fusion with other remote sensing modalities, and decision support systems in precision agriculture.

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### Guest Editors

Dr. Jinha Jung

Lyles School of Civil Engineering, Purdue University, 550 Stadium Mall Dr, West Lafayette, IN 47907, USA

Dr. Murilo M. Maeda

Texas A&M AgriLife Extension, Lubbock, TX 79403, USA

Dr. Mahendra Bhandari

Texas A&M AgriLife Research, Corpus Christi, TX 78406, USA

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### Deadline for manuscript submissions

closed (30 April 2024)



## Remote Sensing

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

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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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### Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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