

Special Issue

Remote Sensing, Big Data Integration, and Image Analyzing Methods for Accelerating Crop Improvement

Message from the Guest Editors

Accelerating crop improvement is of paramount importance for sustainable food production and lifting the farming standard soon. Remote/proximal sensing, as one of the most important tools in agriculture, plays an important role in monitoring plant health, predicting the overall crop status at early growth stages, and modifying crop management practices in a changing climate. We invite authors to submit all types of manuscripts, including original research, research concepts, communications, and reviews mainly in (but not limited to) the following topics:

- Crop breeding and phenotyping;
- Precision agriculture and mapping;
- Climate-resilient crops improvement;
- Crops under hydroponic substrates;
- Resource conservation and water uses;
- Proximal, aerial, and satellite imaging;
- Advanced sensor-based systems;
- Computer vision, AI, and deep learning;
- Big data and predictive analytics.

For more information, please visit: mdpi.com/si/121329
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Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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