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

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Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editors

Dear Colleagues,

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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Special Issue



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Message from the Editor-in-Chief

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