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Advances in Sensor Systems and Data Analysis for Crop Phenotyping

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Deadline for manuscript submissions:

closed (31 October 2023)

Message from the Guest Editors

In recent years, sensors, machine vision, and automation technology have been widely adopted for large-scale phenotyping data acquisition and processing to augment automation and promote efficiency. Advances in a range of technologies, from sensors to data analysis, combined with system integration and decreasing costs, mean that crop morphology and physiology can be measured non-destructively and repeatedly across populations and throughout the whole growth period.

This Special Issue invites submissions addressing sensor systems and data analysis in crop phenotyping. The scope of this Special Issue covers the latest technologies in crop phenotyping for data acquisition, data management, data interpretation, and modeling. **Specific topics of interest include**, but are not limited to, the following:

- 1. Advanced sensors for crop phenotyping;
- 2. Statistics, bioinformatics, machine learning, and deep learning in crop phenotyping;
- 3. Data analysis tools and software for crop phenotyping;
- 4. Data management methodologies and tools for crop phenotyping;
- 5. Plant growth modeling, simulation, visualization, and application;



Specialsue









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Message from the Editor-in-Chief

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