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Intelligent Agricultural Applications with Sensing and Vision System

Guest Editors:

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Deadline for manuscript
submissions:

closed (15 November 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue, “Intelligent Agricultural Applications with Sensing and Vision System”, aims to bring together recent research and developments concerning novel sensing and vision systems applied in agriculture. We welcome papers addressing sensing and vision systems for a wide range of agricultural tasks, including, but not limited to, recent research and developments in the following areas:

- Advanced imaging technology: hyper-spectral, multispectral, fluorescence, thermal, 3-dimension imaging technology;
- AI-driven phenotypic analysis: crop yield estimation, dynamic growth prediction, health status determination, microorganism and pest identification;
- High-throughput phenotyping;
- Airborne sensors (UAVs);
- AI cloud or edge computing application;
- Sensors for robotic applications in crop management;
- Sensors for positioning, navigation and obstacle detection.

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Special Issue



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Message from the Editor-in-Chief

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