Special Issue

AI-Based Sensors and Sensing Systems for Smart Agriculture

Message from the Guest Editor

This Special Issue aims to showcase excellent implementation of AI-based sensors and sensing systems for smart agricultural applications and to provide opportunities for researchers to publish their work related to the topic. Articles that address any sensors and sensing systems implemented with AI and applied to smart crop and animal production are welcomed. This Special Issue seeks to amass original research articles and reviews. Research areas may include (but not limited to) the following topics:

- Crop yield estimation and prediction;
- Detection of nutrient status, water stress, diseases, insect damages;
- Smart irrigation;
- Autonomous navigation;
- Precision planting;
- Weed management;
- Phenotyping and genotyping;
- Postharvest quality evaluation;
- Machine vision applications;
- Remote sensing applications;
- Robotic operations;
- Animal health monitoring and welfare;
- Automated milking and feeding;
- Manure management;
- Predictive crop and animal data analytics.

I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)

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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.

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