## **Special Issue**

# In-Field Detection and Monitoring Technology in Precision Agriculture—2nd Edition

#### Message from the Guest Editors

This Special Issue intends to cover the state of the art and recent progress in different aspects related to infield detection and monitoring technology in a wide range of agricultural fields (crops, grassland, fruit trees, water, agricultural products, etc.). All types of manuscripts (original research and reviews) providing new insights into the in-field detection and monitoring technology of agriculture are welcome. Articles may include, but are not limited to, the following topics:

- Detection and monitoring of within-field on-farm variability;
- Proximal and remote sensing of soils, crops, weeds, plant diseases, and insect pests;
- Vegetation parameter sensing and management;
- Crop models and decision support systems in PA;
- Agricultural sensors, robotics, and engineering;
- Plant, disease, and pest detection based on highdefinition images, multispectral, hyperspectral, and sound waves;
- Precision plant protection;
- Water quality detection and monitoring;
- Wireless sensor networks, Internet of Things, big data, and databases in PA.

#### **Guest Editors**

Dr. Xi Qiao

Dr. Shuo Zhang

Dr. Cong Wang

#### Deadline for manuscript submissions

closed (30 September 2025)



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#### Editor-in-Chief

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