

Special Issue

In-Field Detection and Monitoring Technology in Precision Agriculture

Message from the Guest Editors

This Special Issue intends to cover the state of the art and recent progress in different aspects related to in-field 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 and on-farm variability;
- Proximal and remote sensing of soils, crops, weed, 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 high-definition images, multispectral, hyperspectral and sound waves;
- Precision plant protection;
- Water quality detection and monitoring;
- Wireless sensor networks, Internet of Things, big data and database in PA.

Guest Editors

Dr. Xi Qiao

Dr. Shuo Zhang

Dr. Cong Wang

Deadline for manuscript submissions

closed (30 November 2024)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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