

Special Issue

Research and Development in Agricultural Robotics for Field Operations

Message from the Guest Editor

Sustainable Agricultural developments require more new technologies to improve the efficiency and robustness of food production and meet the challenge of environmental changing. There are many researchers have focused on using robotics technologies to provide efficient solutions for improving productivity of major crops as well as reducing the utilization of chemical fertilizers and pesticides. The introduction of robotics and autonomous technology to agriculture requires comprehensive studies of various aspects, including remote sensing, yield production measurement, soil quality analysis, sensors technologies for measuring the field environment and monitoring the crop health, robot's positioning system, and robot control theories.

In this Special Issue, we aim to collect the works done by the top class of researchers, engineers all over the world to exchange knowledge on any aspect related to smart agriculture, agricultural robotics, autonomous vehicles, AI and sensors technologies for agriculture to improve agriculture working efficiency and crop production.

Guest Editor

Dr. Liangliang Yang

Faculty of Engineering, Kitami Institute of Technology, Koen-Cho 165, Kitami, Hokkaido 090-8507, Japan

Deadline for manuscript submissions

closed (15 March 2023)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/125793

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

[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

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.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)