



Precision Operation Technology and Intelligent Equipment in Farmland—2nd Edition

Guest Editors:

Prof. Dr. Jun Ni

College of Agriculture, Nanjing
Agricultural University, Nanjing
210095, China

Dr. Lei Feng

College of Biosystems
Engineering and Food Science,
Zhejiang University, Hangzhou
310058, China

Dr. Lvhua Han

Department of Agricultural
Engineering, Jiangsu University,
Zhenjiang, 212013, China

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

The use of precision operation technology and intelligent equipment in fields is the frontier of modern agricultural technology development, as the implementation of this equipment has led to the conception of adjusting measures to local conditions, the intelligent management of crop production.

In recent years, experts have conducted much research on the interaction mechanism of crops, soil, and other environmental factors, which has caused the rapid acquisition of information, and a precise control model of crop production and intelligent equipment has been developed that uses modern information and intelligent control technology. These remarkable achievements have played an important role in updating traditional agriculture and developing modern agriculture. This Special Issue welcomes papers that present research on the use of precision operation technology and intelligent equipment in fields:

1. Agricultural sensing mechanisms and new sensors;
2. Machine–soil–crop interaction mechanisms;
3. Crop production control models;
4. New agricultural equipment and field robots;
5. Intelligent control of agricultural machinery;
6. Unmanned operations.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, Australia

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.

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), PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)