

Special Issue

Precision Weeding: Progress and Future Directions

Message from the Guest Editors

Weeds can affect food production in agricultural systems, decreasing product quality and productivity due to the competition for natural resources. On the other hand, weeds can also be considered valuable indicators of biodiversity because of their role in providing ecosystem services. As such, there is a need to carry out an effective and sustainable weed management process, integrating the various control methods (i.e., cultural, mechanical, and chemical) in a harmonious way without harming the entire agrarian ecosystem. We invite you to submit your findings related to several topics of weed research to this Special Issue. In particular, submissions are invited on, but are not limited to, the following topics: (1) mechanical weed control with particular emphasis on robotics; (2) image processing and precision weed control; (3) decision support systems; (4) integrated weed management; and (5) data knowledge discovery and weed science.

Assistant

Guest Editors

Dr. Md Asaduzzaman

Dr. Ricardo Alcántara-de la Cruz

Dr. Mohammad Shamim Hasan Mandal

Deadline for manuscript submissions

closed (20 June 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/193637

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), PubAg, AGRIS, and other databases.

Journal Rank:

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