

Special Issue

Weed Biology and Ecology: Importance to Integrated Weed Management

Message from the Guest Editors

Weeds are plants that are inexorably associated with agricultural crops. Despite their regulation and regardless of the method employed, their occurrence is recorded. This is due to their high survival and adaptive capacity. However, climate change, alterations in tillage systems, changes in weed control in plant cultivation and/or the introduction of new substances (inter alia, biostimulants) into plant cultivation have all had an impact on weed populations and their management. All these factors can affect weed growth and crop productivity in different ways. As such, understanding the potential behavior of weeds is an important aspect of tillage and plant cultivation; this would enable farmers to make decisions regarding weed management. This Special Issue therefore aims to present recent research findings concerning changes in the biology and ecology of weeds with regard to plant cultivation and climate change.

Guest Editors

Dr. Agnieszka Lejman
Dr. Judith Wirth
Prof. Dr. Shouhui Wei

Deadline for manuscript submissions

closed (31 January 2026)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/201508

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)