

Special Issue

Herbicide Mechanisms of Action and Resistance

Message from the Guest Editor

Herbicides are and have been the most important tool to control weeds around the world, representing a highly efficient approach for weed management. The repetitive use of these chemicals, however, can lead to the evolution of herbicide resistance, posing a major threat for global agriculture and food production. Therefore, elucidating the mechanisms of herbicide resistance has become crucial to create alternative tools to assist weed management, such as molecular markers, resistance breakers, resistant crops, population genetics, and others.

This Special Issue focuses on the herbicide mechanism of action and resistance. We encourage authors to submit their research involving herbicide resistance, weed physiology, herbicide biochemistry, mode of action, weed genetics, herbicide interaction, and related topics.

Guest Editor

Dr. Hudson Takano

Corteva Agriscience: Indianapolis, IN, USA

Deadline for manuscript submissions

closed (15 June 2022)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/68634

Plants

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

plants@mdpi.com

mdpi.com/journal/

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





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)