

Special Issue

Invasive Alien Plants in Agroecosystems: Ecology, Surveillance, Impacts, Management and Challenges

Message from the Guest Editors

At both the regional and global scale, invasive alien plants (IAPs) in agroecosystems generate a noteworthy effect on plant taxonomic diversity, community dynamics, ecosystem processes and cropping sustainability and profitability. It is also well established that invasion dynamics are rapidly changing due to the escalation of various agroecosystem and human-induced disturbances (e.g. shifts in cropping systems, climate change, worldwide transport of biological commodities, overtourism, changes in land use pattern, etc). Within this framework, understanding the invasiveness of species and the inaccessibility of habitats provides insight into how weeds and invasive plants spread, an awareness which in turn facilitates the designing of programs to manage invasive plants/weeds, with the ultimate aim of securing cropping sustainability and profitability. Management of invasive weeds follows an internationally agreed hierarchical approach that encompasses the approaches of prevention, early detection, eradication and control. In the current Special Issue, we invite research articles, reviews and opinion articles linked to all the aforementioned aspects of IAPs in agroecosystems.

Guest Editors

Dr. Demosthenis Chachalis

Benaki Phytopathological Institute, Weed Science Laboratory, Stefanou Delta Street 8, Kifissia, 14561 Athens, Greece

Dr. Isabel M Calha

INIAV UEIS-SAFSV-Weed Science Laboratory, Quinta do Marques, 2780-185 Oeiras, Portugal

Deadline for manuscript submissions

closed (15 September 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/169698

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)