

## Special Issue

# Strategies and Tools for Managing Invasive Agricultural Pests

### Message from the Guest Editors

One of the major challenges facing global agricultural production today is the introduction of exotic pests into new areas. As a result, the intensive use of pesticides to control these pests threatens natural enemy diversity, human health, and the environment. Preventing the introduction and establishment of pests in new areas is essential and requires a holistic strategy. This strategy should include risk forecasting, epidemiological modeling, diagnostic capacity, intensive surveillance and monitoring, timely communication, and the ability to enforce rapid containment measures when an invasion occurs. This Special Issue aims to publish original articles that contribute to decision making by exploring the biology of invasive pests. In addition, we welcome articles on yield assessment and economic losses, information on potential pest establishment considering future climate scenarios, and innovative, environmentally friendly preventive control strategies and threat mitigation approaches. We look forward to your contributions.

---

### Guest Editors

Dr. Estrella Hernández Suárez

Department of Plant Protection, Instituto Canario de Investigaciones Agrarias, Valle de Guerra, 38270 Tenerife, Spain

Dr. Modesto Del Pino Pérez

Department of Crop Protection, Instituto Murciano de Investigación y Desarrollo Agrario y Medioambiental, C/ Mayor s/n, La Alberca, 30150 Murcia, Spain

---

### Deadline for manuscript submissions

closed (30 January 2025)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/209527](https://mdpi.com/si/209527)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto: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)