

## Special Issue

# Horticultural Genetics and Biotechnology

### Message from the Guest Editor

Biotic stresses are having an important effect on horticultural growth and they are responsible for about 25% of losses of the agricultural yield due to diseases and insect infestation. Furthermore, it is reported that these stresses have also negative consequences on fruit/yield quality. Therefore, and with the recent development of biotechnological approaches such as genome sequencing, SNP genotyping, association mapping, marker-assisted selection, genomic selection, plant transformation, genome editing etc., these technologies are being applied to improve the biotic resistance and improve the quality of the products. The biotic stresses are complex traits controlled by major and minor genes. In this Special Issue, we are going to accept 10–15 papers focusing on the application of biotechnological approaches to increase resistance in horticultural crops.

---

### Guest Editor

Dr. Michael Baum

Team Leader Breeding and Research Platform Manager Morocco, ICARDA, Av. Mohamed Belarbi Alaoui, PO Box 6299, Al Irfane, 10112 Rabat, Morocco

---

### Deadline for manuscript submissions

closed (20 June 2022)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/70683](https://mdpi.com/si/70683)

*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)