

## Special Issue

# Exploiting Plant Genetic Resources to Broaden Crop Adaptation to New Climatic Conditions

### Message from the Guest Editors

In recent years, ever-accelerating climate change has made it necessary to create new genetic material with increased adaptability and plasticity in the face of the forthcoming stressful environmental conditions. In this regard, several proposals have been suggested, including conventional and molecular approaches. Plant genetic resources could provide an effective solution to this severe problem. Local populations, landraces, obsolete cultivars, and crop wild relatives are valuable sources of genetic material that could broaden the genetic base and increase cultivated species' adaptability in such conditions. This Special Issue aims to present new approaches to the evaluation and exploitation of plant genetic resources for improving productivity, adaptability, tolerance to stress, and food quality in the face of the challenges of the 21st century.

### Guest Editors

Dr. Athanasios G. Mavromatis

Dr. Ioannis Mylonas

Dr. Ioannis N. Xynias

### Deadline for manuscript submissions

closed (15 October 2022)



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 6.7



[mdpi.com/si/95747](https://mdpi.com/si/95747)

*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 3.3  
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), PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)