

## Special Issue

# Conservation and Comprehensive Utilization of Germplasm Resources in Horticultural Crops

### Message from the Guest Editors

For the past few thousand years, horticultural crops have been vital to human society, providing essential nutrients, therapeutic compounds, and raw materials, thereby contributing to food security and human well-being. The high genetic diversity of horticultural species poses a significant challenge for scientists in finding effective approaches to identify and select individuals that can be used to develop more valuable horticultural varieties. These varieties must be well adapted to global climate change conditions and possess high nutritional and curative properties. Plant breeding heavily relies on available genetic resources and cutting-edge technologies. In this context, the use of multi-OMICS approaches (e.g., genomics, transcriptomics, proteomics, and metabolomics) and modern phenotyping methods to study the conservation and utilization of horticultural genetic resources has profoundly impacted our understanding of plant diversity and the complex biological processes underlying horticultural traits.

---

### Guest Editors

Dr. Monica Harta

Dr. Doina Clapa

Dr. Cristian Radu Sisea

---

### Deadline for manuscript submissions

25 January 2026



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/213089](https://mdpi.com/si/213089)

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

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





# Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



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



## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

---

### Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)