

# Special Issue

## Advances in Asparagus Production, Genomics and Breeding

### Message from the Guest Editors

Garden asparagus (*Asparagus officinalis*) is an important horticultural crop with a cultivated area comparable to other vegetable crops such as garlic, carrot and eggplant. In the last few decades, a steady increase in crop yield has been boosted by the implementation of advances in crop production, protection techniques, and the development of new asparagus varieties. However, a number of biotic and abiotic stresses affect the crop, which may cause serious damage. Besides this, new challenges have recently emerged, such as the development of varieties with a high concentration of functional compounds or varieties that are suitable for other crop systems (e.g., drought conditions, organic farming). The availability of a saturated genetic map, transcriptomic data and the asparagus reference genome sequence, along with the improved bioinformatics tools, creates new prospects for the biological understanding of important agronomic traits in this crop. For this Special Issue, we welcome any original research or review articles that highlight recent advances in different disciplines related to crop production, genomics, and plant breeding.

### Guest Editors

Dr. Roberto Moreno

Dr. Patricia Castro

Dr. Jose V. Die

### Deadline for manuscript submissions

closed (15 June 2023)



# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 3.5



[mdpi.com/si/96285](https://mdpi.com/si/96285)

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

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





# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 3.5



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



## About the Journal

### Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

---

### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies, Università del Salento, Centro Ecotekne, Via Provinciale  
Lecce Monteroni, 73100 Lecce, Italy

---

### 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, FSTA, and other databases.

#### Journal Rank:

JCR - Q1 (Horticulture) / CiteScore - Q2 (Horticulture)