

## Special Issue

# Postharvest Physiology of Ornamentals: Processes and Their Regulation

### Message from the Guest Editors

The global ornamental trade volume of cut flowers/foilage and potted plants reaches more than US\$130 billion. To improve this ornamental industry and meet future postharvest quality requirements, there is a need for further research to get a better understanding of the mechanisms underlying the various physiological processes operating after harvest in these ornamental products, including: flower opening and growth, water balance, pigmentation, gravitropic response, senescence, and abscission. This can lead to the development of new strategies for quality control of ornamentals during storage, transport, and vase/shelf life. You are invited to submit your latest scientific research findings to this Special Issue, focusing on the following main topics: (1) the role and use of various plant hormones and/or carbohydrates for postharvest handling and quality maintenance; (2) novel biological control agents against various pathogens; (3) adopting environmentally friendly and sustainable strategies for improving the keeping quality; (4) determination of water balance aspects after harvest; and (5) links between structures and physiological functions after harvest.

---

### Guest Editors

Dr. Shimon Meir

Department of Postharvest Science, Agricultural Research Organization (ARO), The Volcani Center, 68 HaMaccabim Road, P.O. Box 15159, Rishon LeZiyon 7528809, Israel

Dr. Sonia Philosoph-Hadas

Department of Postharvest Science, Agricultural Research Organization (ARO), The Volcani Center, 68 HaMaccabim Road, P.O. Box 15159, Rishon LeZiyon 7528809, Israel

---

### Deadline for manuscript submissions

closed (20 December 2020)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6



[mdpi.com/si/33558](https://mdpi.com/si/33558)

*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 4.1  
CiteScore 7.6



[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)