

## Special Issue

# Water and Nitrogen Use Efficiency of Horticultural Crops under Abiotic Stress

### Message from the Guest Editors

Horticultural crops are facing many issues related to abiotic stresses. They affect multiple physiological and biochemical mechanisms in plants and influence the growth of horticultural crops and their efficiency in using growth factors such as nutrients and water. Crop management under stress conditions could be very challenging and needs a deeper knowledge of plant response to the agronomic practice to reach the goal of sustainable production. Innovative agricultural practices for the early detection and counteraction of abiotic stress effects could lead to better management of resources such as nitrogen and water and enhance their use efficiency. This Special Issue aims to collect research papers and reviews focusing on “Water and Nitrogen Use Efficiency of Horticultural Crops under Abiotic Stress”. Therefore, research articles and reviews related to the mechanisms underlying water and nitrogen use of horticultural crops under abiotic stress are welcome for this Special Issue.

---

### Guest Editors

Dr. Alessandro Miceli

Dr. Alessandra Moncada

Dr. Filippo Vetrano

---

### Deadline for manuscript submissions

closed (15 March 2022)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/83068](https://mdpi.com/si/83068)

*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)