

## Special Issue

# Recent Innovations in Grapevine Research

### Message from the Guest Editors

One of the most pressing challenges facing agriculture today is climate change. To face these challenges, we need to apply the latest technologies in viticultural research. Information technology will play a key role in future research efforts, both in the application of precision technologies and in data processing and modeling. The yield and quality of grapevine are highly influenced by environmental factors, such as the climate, topography, and soil, and biotic factors, including rootstock, pests, and diseases, all of which can affect grapevine either positively or negatively. Cultivation practices, nutrient supply, spraying, and irrigation can also influence the yield and quality of this plant; the effectiveness of these methods must thus be evaluated. This Special Issue of *Agronomy* will focus on innovative research methods for phenotyping, biomass evaluation, precision viticulture, remote sensing, image analysis, the evaluation of the nutrient status, drone technology, grapevine robotics, analysis of berry composition, diagnosis, and the evaluation of the effect of pests and diseases on plant development

---

### Guest Editors

Dr. Péter Bodor-Pesti

Dr. Gizella Gyorffyyne Jahnke

Prof. Dr. György Dénes Bisztray

---

### Deadline for manuscript submissions

closed (25 May 2024)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/163688](https://mdpi.com/si/163688)

*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)