

## Special Issue

# In-Field Estimation of Fruit Quality and Quantity

### Message from the Guest Editor

Dear colleagues, Advances in machine vision, image processing, spectroscopy and other technologies are allowing in field assessment of various fruit crop attributes. This includes estimation of optimum harvest timing through use of remote temperature monitoring technologies, automated assessment of flowering stage and level, near infra red spectroscopic assessment of fruit attributes, fruit detection, counting and sizing. Effectively there is a shift in technology from use in the controlled environment of the packhouse to use in the uncontrolled field environment of the orchard. These tools can inform farm management decisions on crop agronomy, harvest timing, harvest resourcing (labour and materials) and marketing. A call is open for original papers which address the development or application of such technologies in the application of fruit quality and quantity, with extension to the use of these technologies in automation of fruit harvest.

### Guest Editor

Prof. Dr. Kerry Brian Walsh

School of Health, Medical and Applied Sciences, Central Queensland University, Rockhampton, QLD, Australia

### Deadline for manuscript submissions

closed (31 March 2021)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/33288](https://mdpi.com/si/33288)

*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), PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)