



## **Agronomy, Production Systems, Advanced Phenotyping, Breeding, Genetics and Genomics of Horticulture Crops**

Guest Editors:

**Dr. Fawad Ali**

Centre for Planetary Health and Food Security, Griffith University, Nathan Campus, Brisbane, QLD 4111, Australia

**Dr. Asjad Ali**

Department of Agriculture and Fisheries, Mareeba, QLD 4880, Australia

Deadline for manuscript submissions:

**closed (15 December 2023)**

### **Message from the Guest Editors**

Horticulture crop production and fruit quality traits are influenced by genetic and non-genetic factors. It is important to understand the production systems, agronomy, crop physiology, and pre- and post-harvest factors that affect overall production (yields) and fruit quality. There is limited knowledge about the use of advanced phenotyping tools coupled with a genomics-assisted program to measure the gene metrics of key desirable fruit quality traits when key developmental stages of horticulture crops face detrimental effects due to environmental changes. Further, we need to evaluate advanced phenotyping platforms for the measurement of tree agronomic and productivity traits coupled with consumer-driven fruit quality traits, as well as evaluate substantial changes in the environment where the plants are grown. This Special Issue deliberates on the approaches to measure the potential effect of environmental and biotic factors coupled with farm-level management practices in elucidating and improving horticulture crop productivity and consumer-driven fruit quality traits.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Les Copeland

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

## 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, RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi