

Special Issue

Agricultural Machinery and Technology for Fruit Orchard Management

Message from the Guest Editors

The global production of fruits has been steadily increasing, while simultaneously confronting mounting challenges such as labor scarcity and escalating production costs. Consequently, the mechanization of fruit tree and orchard management holds an increasingly pivotal role. This Special Issue is a continuation of the previous one, and addresses a topic of the utmost relevance, namely, the trend towards standardized smart orchard construction. Its primary focus lies in elucidating critical facets of fruit orchard management, including transportation, weeding, pruning, flower thinning, plant protection, and harvesting. The Special Issue serves as a platform for sharing the latest advancements in intelligent machinery and technological research, thereby facilitating the exploration of efficacious strategies to enhance the overall management proficiency of fruit trees and orchards. For this reason, we welcome interdisciplinary and high-quality studies from disparate research fields, including overall machine design, key components and parts, mechanism and simulation analyses, and intelligent technology. Original research articles and reviews are accepted.

Guest Editors

Prof. Dr. Zhen Li

Prof. Dr. Jianian Li

Prof. Dr. Shilei Lyu

Deadline for manuscript submissions

31 December 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/227753

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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

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, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)