## 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





# **Agriculture**

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



### **About the Journal**

#### 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.

#### 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)

