

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

closed (31 December 2025)



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

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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

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