





an Open Access Journal by MDPI

Research Progress on Agricultural Equipments for Precision Planting and Harvesting

Guest Editors:

Prof. Dr. Hua Li

College of Engineering, Nanjing Agricultural University, Nanjing 008625, China

Prof. Dr. Lizhang Xu

Key Laboratory of Modern Agricultural Equipment and Technology, Ministry of Education & Jiangsu Province, Jiangsu University, Nanjing 008625, China

Deadline for manuscript submissions:

28 February 2025

Message from the Guest Editors

For man, machine has become the development trend of modern agriculture. Unlike tillage and plant protection, planting and harvesting vary from crop to crop, resulting in a lack of universality in related planting and harvesting equipment. The planting and harvesting methods of crops are very different, and the mechanisms of mechanized planting and harvesting are also complicated, constituting an important factor restricting the development of their mechanization. In-depth investigation of the mechanisms of mechanized planting and harvesting of different crops, as well as constantly improving the quality of mechanized planting and harvesting, are some of the challenges of modern agriculture. Precision planting and harvesting agricultural equipment can effectively improve operational quality.

This Special Issue focuses on precision planting and harvesting methods as well as the technologies for agricultural equipment to improve the operational quality and advance the development process of modern agriculture. All types of articles, such as original research, opinions, and reviews, are welcome.











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, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. Agriculture is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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)

Contact Us