Special Issue

From Planting to Harvesting: The Role of Agricultural Machinery in Crop Cultivation

Message from the Guest Editors

The use of agricultural machinery in crop cultivation is a pivotal component of modern agriculture, defining the way crops are planted, cultivated, and harvested. This mechanized approach to crop production relies on the use of advanced machinery and technology to streamline farming processes, leading to increased efficiency, improved yields, and reduced labor requirements. The adoption of modern methods represents a significant shift from traditional, labor-intensive farming practices to more automated and precise methods. The importance of research and dissemination in the areas of crop mechanization is emphasized. This Special Issue, entitled "From Planting to Harvesting: The Role of Agricultural Machinery in Crop Cultivation", is dedicated to advancing research and knowledge in the field of crop mechanization, with a strong focus on enhancing agricultural production efficiency, sustainability, and innovation. This Issue welcomes interdisciplinary studies from various research domains, encompassing agriculture, engineering, design, modeling, and environmental science.

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