

Special Issue

Advances in Agriculture Mechanization

Message from the Guest Editor

Agricultural mechanization has almost replaced human and animal agricultural operations, creating a comfortable, safe, and attractive environment for workers, and enhanced work efficiency. These advances are making their way to address the challenges of food security in the coming decades, as agricultural land is shrinking because of urbanization. Coupling of intelligent sensing and control systems in traditional farming operations (ploughing, seeding, irrigation, fertilization, pesticide applications, etc.) are expanding enormously due to their economic and environmental benefits. This Special Issue covers the recent advances in agriculture mechanization, including machine design, post harvesting technologies, precision agriculture technologies, variable rate applications, spatial and temporal variability, soil and water management, irrigation and drainage, and integration of sensors and control systems in agricultural machinery.

Guest Editor

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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.

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