

Special Issue

Intelligent Equipment and Automation Technology in Farmland Production

Message from the Guest Editors

Intelligent agricultural equipment is crucial for enhancing agricultural production efficiency and crop yield due to the fact that it can be used to provide the best growing environment for crops. In recent years, with the rapid development of high-precision multi-field coupling simulation technology, flexible sensing technology, and artificial intelligence algorithms, which have provided new ideas for the visual design of agricultural machinery and the monitoring of the entire agricultural machinery operation process, the question of how to improve the level of intelligence and informationization of agricultural machinery and equipment has become the focus of research in the field of agricultural machinery. The contents of this Issue include, but are not limited to, the following: Intelligent agricultural machinery and equipment design; The application of multi-field coupling simulation technology in the design of agricultural machinery; Innovative applications of high-precision control systems or related algorithms in the field of agricultural machinery; Innovative applications of flexible sensors in the field of agricultural machinery.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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