Agricultural Collaborative Robots for Smart Farming

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Deadline for manuscript submissions:
20 October 2024

Message from the Guest Editors

Dear Colleagues,

The world population is increasing annually, putting higher requirements on the scale, integration, automation, and intelligence of the world's agricultural production. In the background of an aging global population and seasonal manpower shortages, agricultural robotics shows great potential for application. At present, a number of agricultural robots for independent execution of specific tasks (e.g., plant protection, monitoring, feeding, harvesting, etc.) have been developed and are well applied.

This special issue aims to introduce the application of collaborative agricultural robots in smart farming. Topics of interest include but are not limited to: human-robot cooperation in modern agricultural scenarios (collaboration theory, interaction methods, etc.), collaborative unmanned aerial vehicles (UAVs) for livestock monitoring, collaborative unmanned ground vehicles (UGVs) for harvesting/transportation, collaboration between UAVs and UGVs for plant protection, Multi-arm collaborative robot for fruit and vegetable picking. Welcome original research articles and reviews.

Special Issue

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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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