

Special Issue

Agricultural Collaborative Robots for Smart Farming

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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