

## 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

Prof. Dr. Bin Xie

Prof. Dr. Zhijun Meng

Prof. Dr. Jun Zhou

### Deadline for manuscript submissions

closed (31 December 2024)



## Agriculture

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## About the Journal

### 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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### Editor-in-Chief

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