

## Special Issue

# Advancing Agricultural Robotics for Sustainable Farming: Innovations, Applications, and Environmental Impact

### Message from the Guest Editors

This Special Issue focuses on the role of robotics in promoting sustainable agriculture. By enhancing efficiency, reducing resource consumption, and minimizing environmental impact, agricultural robotics addresses labor shortages and supports climate-resilient farming practices.

- Focus: Exploring how agricultural robotics enhances sustainable farming by improving efficiency, reducing resource use, and minimizing environmental impact.
- Scope: Covers innovations in robotics, precision agriculture, AI, and machine learning, with applications in harvesting, weeding, and livestock management. Includes case studies and environmental assessments.
- Purpose: Highlight advances in agricultural robotics, foster interdisciplinary collaboration, address food security and climate challenges, and bridges the gap between technology and sustainable farming practices.

This SI promotes precision farming, reductions in resource use and emissions, the boosting of productivity, and seeks to enhance rural development. It integrates technology, environmental science, and policy to drive sustainable agriculture, aligning with the journal's focus on practical and measurable solutions.

### Guest Editors

Dr. Yuanhong Li

Dr. Dong Chen

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### Deadline for manuscript submissions

31 May 2026



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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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