

Special Issue

Innovative Robotic Process Control in Agriculture: Enhancing Efficiency and Sustainability

Message from the Guest Editors

The integration of robotics and agriculture is transforming modern farming by addressing challenges related to global food security, labor shortages, and environmental sustainability. This Special Issue will explore the latest advancements in agricultural robotics, aiming to revolutionize farming operations through improved precision, reduced environmental impact, and resource utilization. We invite researchers to submit original research papers on topics such as:

- **Integrated Robotic Systems Development:** Investigating autonomous agricultural systems.
- **Sensor-Actuator Systems Integration:** Examining control systems for precise agricultural operations.
- **Hardware-Software Architectures:** Discussing the combination of AI and robotic components for agricultural applications.
- **Environmental and Resource Optimization:** Analyzing how robotic systems can promote sustainable farming.
- **Implementation and Socioeconomic Analysis:** Exploring the deployment of agricultural robotic systems.

This Special Issue will provide resources for educators, researchers, agricultural technology developers, and policymakers to advance sustainable farming practices through robotics.

Guest Editors

Dr. Jingyao Gai

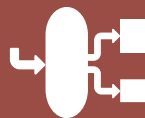
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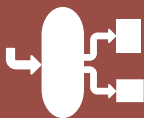


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