

## Special Issue

# Advancing Smart Farming through Agricultural Robots and Automation Technologies

### Message from the Guest Editor

Agricultural robotics and automation technologies are two rapidly spreading fields that can revolutionize agriculture through the development of robotic and automatic systems to remedy farm labor shortages, improving efficiency, productivity, and safety with a focus on sustainability. These robots can be equipped with several sensors and cameras for real-time data collection to monitor soil and environmental parameters. This can help farmers in inputs optimization, to reduce costs and environmental impact and for the early detection of pest infections or nutrient deficiencies. In this Special Issue, we invite authors to publish their research on the development and application of agricultural robots and automation technologies in the agriculture, forestry and livestock sectors. Research areas include but are not limited to:

- Development of robotic systems to reduce farming inputs and environmental impact
- Employment in agriculture, forestry, and livestock sectors of unmanned aerial vehicles
- 3D image reconstruction and object detection from unmanned aerial and ground vehicles
- Precision agriculture and smart farming solutions

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2025)



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# About the Journal

## Message from the Editor-in-Chief

*AgriEngineering* (ISSN 2624-7402) is an international open access, open-source, and cross-disciplinary scientific journal on the engineering science of agricultural and horticultural production. Our aim is to encourage scientists to publish their experimental and theoretical research, along with the full set of schematics, source-code, and mechanical design models leading to accelerated and rapid dissemination of leading-edge technologies emerging in agricultural, environmental, and agronomic engineering. *AgriEngineering* publishes articles, technical notes, reviews, commentaries, and case/field reports, as well as Special Issues on particular subjects.

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## Editor-in-Chief

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JCR - Q2 (Agricultural Engineering) / CiteScore - Q1 (Horticulture)

### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22 days after submission; acceptance to publication is undertaken in 6.3 days (median values for papers published in this journal in the second half of 2025).