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Autonomous Agricultural Robots

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Dr. Angela Ribeiro

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Dr. Jose Maria Bengochea-Guevara

Dr. Dionisio Andújar

Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

There is no doubt that robotics applied to agriculture is key to improving the productivity of crop fields and product quality. Despite the advances made in recent decades, there are still challenges that are becoming important lines of research. This Special Issue aims to bring together the most recent advances in robotics applied to agriculture and its supporting technologies. The scope includes, but is not limited to, the following topics:

- Robotics for pruning, thinning, harvesting, mowing, spraying, weed removal and any other agricultural application
- Aerial and ground robotic platforms in agriculture; Soft robots
- Autonomous navigation of robotics vehicles
- Manipulators in agricultural applications; Exoskeletons
- Fruit and flower detection and recognition; Early pest detection and treatment
- Machine learning and artificial intelligence integrated in agricultural machinery
- Multi-robot systems; Human–robot interaction in farming
- Robotics for vertical and urban farming; Greenhouse robots

Dr. Angela Ribeiro; Dr. Héctor Montes; Dr. Jose Maria Bengochea-Guevara; Dr. Dionisio Andújar
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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