

Special Issue

Autonomous Agricultural Robots

Message from the Guest Editors

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

;;;

Guest Editors

Dr. Angela Ribeiro

Dr. Héctor Montes

Dr. Jose Maria Bengochea-Guevara

Dr. Dionisio Andújar

Deadline for manuscript submissions

closed (30 November 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/115564

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)