

Special Issue

Advances of Computer Vision in Precision Agriculture

Message from the Guest Editors

Crossing image-based data analytics with precision agriculture in both short- and long-range modalities has been proving to be of great usefulness not only to support scientific research in the agricultural sector, but also to provide related professionals with cutting-edge decision support tools for yielding sustainably within farming contexts. Increasingly sophisticated sensors (RGB, hyperspectral, multispectral, etc.) and computer vision algorithms, either supported by classic techniques or artificial intelligence approaches, have been proposed, contributing to the digitalization and modernization of agriculture toward the 4.0 revolution. Aligned with that scope, this Special Issue welcomes original papers focusing on all types of image sensors combined with digital image processing and computer vision algorithms, including those based on deep learning, with relevant and innovative proposals applied to smart farming.

Guest Editors

Dr. Telmo Adão

Graphic Computation Center (CCG), University of Minho Campus de Azurém, Edifício 14, 4800-058 Guimarães, Portugal

Dr. Emanuel Peres

Department of Engineering, School of Sciences and Technology, University of Trás-os-Montes e Alto Douro, 5000-801 Vila Real, Portugal

Deadline for manuscript submissions

closed (30 June 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/122891

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)