Special Issue

Intelligent Sensing and Machine Vision in Precision Agriculture

Message from the Guest Editors

Precision agriculture seeks to employ information technology to support farming operation and management, such as fertilizer inputs, irrigation management, pesticide application, etc. The temporal, spatial, and individual information related to environmental parameters and crop features are gathered, processed, and analyzed through various intelligent sensing technologies. Among them, machine vision technologies, including 3D/2D imaging, visible/near-infrared imaging, and hyperspectral/multispectral imaging, have been extensively used for precision agriculture, such as plant phenotyping, autonomous navigation, disease detection, production prediction, etc. Moreover, deep learning has greatly promoted the development of intelligent sensing technologies, which has a range of potential applications in precision agriculture.
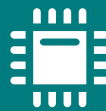
Guest Editors

Dr. Yuwei Wang

Prof. Dr. Liqing Chen

Prof. Dr. Peng Chen

Dr. Bolin Cai

Deadline for manuscript submissions

closed (30 April 2024)

Sensors

an Open Access Journal by MDPI

**Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed**

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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)

MDPI