

Special Issue

Advances in Agriculture Sensor Technologies and Their Applications in Precision Agriculture and Smart Farming

Message from the Guest Editors

Sensors that are applied in applications in precision agriculture and smart farming are called agriculture sensors. There has been exponential uptake in Agriculture sensors in various environments in recent times, including weather stations, unmanned aerial vehicles, land robots, soil moisture probes etc which can be controlled by mobile apps through both long or short range wireless internet connectivity. Agriculture sensors that have been used in precision agriculture and smart farming include location sensors, optical sensors, multispectral sensors, thermal infrared sensors, laser sensors, electro-chemical sensors, mechanical sensors, dielectric soil moisture sensors, air flow sensors, just to name several. This Special Issue will showcase the latest advancements in agriculture sensor technologies and their utilisation in innovative digital agriculture applications across multiple data sources and resolutions.

- Precision Agriculture
- Smart Farming
- Agriculture sensors
- Remote Sensing
- Multisensor Platforms
- Livestock monitoring
- Site-specific farming
- Smart greenhouse
- Climate monitoring
- Irrigation monitoring
- Field Robots
- Soil Health

Guest Editors

Dr. Paul Kwan

Prof. Dr. Benoit Mercatoris

Dr. Leifeng Guo

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/130956

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)