



sensors



an Open Access Journal by MDPI

AI-Based Sensors and Sensing Systems for Smart Agriculture

Guest Editor:

Prof. Dr. Wonsuk (Daniel) Lee

Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL 32611-0570, USA

Deadline for manuscript submissions:

closed (30 November 2022)

Message from the Guest Editor

This Special Issue aims to showcase excellent implementation of AI-based sensors and sensing systems for smart agricultural applications and to provide opportunities for researchers to publish their work related to the topic. Articles that address any sensors and sensing systems implemented with AI and applied to smart crop and animal production are welcomed.

This Special Issue seeks to amass original research articles and reviews. Research areas may include (but not limited to) the following topics:

- Crop yield estimation and prediction;
- Detection of nutrient status, water stress, diseases, insect damages;
- Smart irrigation;
- Autonomous navigation;
- Precision planting;
- Weed management;
- Phenotyping and genotyping;
- Postharvest quality evaluation;
- Machine vision applications;
- Remote sensing applications;
- Robotic operations;
- Animal health monitoring and welfare;
- Automated milking and feeding;
- Manure management;
- Predictive crop and animal data analytics.

I look forward to receiving your contributions.



mdpi.com/si/97678

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)