



sensors



an Open Access Journal by MDPI

IoT for Smart Agriculture

Guest Editors:

Dr. Dimitrios Piromalis

Dr. Konstantinos G. Arvanitis

**Prof. Dr. Panagiotis
Papageorgas**

Deadline for manuscript
submissions:

closed (15 July 2023)

Message from the Guest Editors

This Special Issue aims to gather contributions in the form of original research papers and a limited number of reviews exploring developments and advancements in the “IoT for Smart Agriculture”. This includes the optimization of any of the wireless sensing devices’ design aspects (design for hostile external agricultural environments, innovation in hardware, software and firmware, robustness and reliability, EDGE computing integration, integration of AI for in-situ analytics, energy autonomy, etc.), the networking of “Things” and services with an emphasis on the application for the agricultural domain (i.e. communication protocols, cellular communications, context-aware middleware, cloud computing, etc.), and new smart agriculture applications according to Agriculture 4.0 (i.e., the combination of real-time data from the field and AI-based analytics to improve decision support operations, use of the concept of Digital Twins for modeling and control, use of a cyberphysical system approach to manage and exert control over diversity and complexity of physical systems in the agricultural domain, etc.).



mdpi.com/si/73019

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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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