



IoT-Based Systems for Smart and Sustainable Agriculture

Guest Editors:

Prof. Dr. Gianluigi Ferrari

Dr. Luca Davoli

Dr. Roberto Fresco

Dr. Baran Çürüklü

**Prof. Dr. José-Fernán
Martínez-Ortega**

DI(FH) Erwin Kristen

Deadline for manuscript
submissions:
closed (31 October 2019)

Message from the Guest Editors

Dear Colleagues,

The last few decades have witnessed the advancement of the Internet of Things (IoT) and multiple wireless sensor networks (WSNs), in both the academic and industrial worlds.

This Special Issue calls for reports on high quality, up-to-date innovative original current advances in solutions and research for smart and sustainable agriculture, ranging from IoT, WSN, efficient sensing, cloud/edge computing, smart actuators, etc.

Some topics of interest include but are not limited to:

- Data-aware networking in smart agriculture;
- Sensor network deployment for smart agriculture;
- Cloud computing for smart agriculture;
- Edge computing for smart agriculture;
- Cyberphysical systems (CPS) for smart agriculture;
- Internet of Things (IoT) for smart agriculture;
- Farm services and oriented applications for agri-food systems;
- Modeling and metrics for sensing in smart agriculture;
- Implementation and prototypes of WSN agriculture showcases;
- Data security by user authentication and data encryption;
- Security by design philosophy in agriculture;
- Cost-effective sensor development for smart agriculture





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 and Instrumentation) / 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](#)