



Applications of Sensors in Precision Farming

Guest Editors:

Prof. Dr. Primo Zingaretti

Dipartimento di Ingegneria
dell'Informazione – DII,
Università Politecnica delle
Marche, 60131 Ancona, Italy

Dr. Adriano Mancini

Dipartimento di Ingegneria dell'
'Informazione – DII, Università
Politecnica delle Marche, 60131
Ancona, Italy

Deadline for manuscript
submissions:
closed (31 October 2020)

Message from the Guest Editors

Dear Colleagues,

Advanced sensor technologies and infrastructures play an important role in the increasingly emerging sector of precision agriculture, where the main objective is to optimize production and reduce production costs, in particular. For example, sensors could be used to monitor nutrient stress, water stress, soil fertility, etc.

Today, precision agriculture relies on the acquisition of data from heterogenous sources, such as satellites, aerial (manned/unmanned) vehicles, tractors and, of course, advanced sensors installed on the ground or on plants. In the latter cases, Internet of Things (IoT) plays a key role considering that, for large fields, the deployment of low-cost sensors could increase the coverage and knowledge of the field with “cheap” infrastructure.

This Special Issue aims to capture the latest applications in precision farming, with a focus on solutions based on new sensor technologies and infrastructures.

For more information, please visit mdpi.com/si/40990.

Prof. Primo Zingaretti

Prof. Adriano Mancini

Guest Editors





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](#)