

Special Issue

Chemical Sensors for Environment and Agri-Food Analysis

Message from the Guest Editor

In recent years, gas sensors have been widely used in different fields such as human health, environmental monitoring, automotive, and IoT in general. In particular, we will focus our attention on gas sensor application in food quality, security and safety, from farm to fork.

Gas sensors will be able to integrate their ability and advantages in every food sector in the next 5 years. Sensors will support, help, and increase the food sector's abilities and also aim to be more and more user-friendly and closer to real needs.

The covered topics will be extended to sensing devices, networks, and array of gas sensors, applied to the whole food field, from farm to fork. Potential gas sensor topics include but are not limited to the following:

- Quality on line/at line control from farm to fork;
- Shelf-life measurement;
- Risk assessment;
- IoT—Internet of Food;
- Monitoring the presence of harmful chemical compounds (neofunctions and not) in food;
- Following the possible growth of microorganisms, indigenous, altering, and pathogens in the food field whether they are from the environment/surfaces/human contact or food.

Guest Editor

Dr. Veronica Sberveglieri

1. National Research Council, Institute of Bioscience and Bioresources (CNR-IBBR), Via J.F. Kennedy, 17/i, 42124 Reggio Emilia, Italy
2. Nano Sensor Systems, NASYS Spin-Off University of Brescia, 25125 Brescia, Italy

Deadline for manuscript submissions

closed (30 September 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/64408

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)