

Special Issue

Feature Review Papers in Biosensors Section 2024

Message from the Guest Editors

We are pleased to invite submissions for the 2024 Special Issue titled "Feature Review Papers in Biosensors Section 2024". This Special Issue aims to review the recent developments of advanced sensors and their applications in healthcare and clinical practice. Heavily impacted by the COVID-19 pandemic, the healthcare sector is witnessing the development and application of new technologies for diagnostics. Smarter, more accurate, faster, wireless, safer, self-learning, smaller, and standardized sensors are being widely developed and deployed. Many sensors that do not interfere with daily life and sensors made of new biocompatible materials have been attempted and are starting to be used clinically.

- Sensors that predict and prevent disease and improve the quality of daily life;
- Challenges and opportunities in the development of innovative sensing devices;
- Biosensors for microelectromechanical systems (MEMSs) and nanoelectromechanical systems (NEMSs);
- Wearable sensors and energy harvest;
- Sensors with the rapid development of fifth-generation (5G) cellular network technology;
- Key technologies influencing sensor design and innovation.

Guest Editors

Dr. Igor Medintz

US Naval Research Laboratory, 4555 Overlook Ac SW, Washington, DC 20375, USA

Prof. Dr. Toshiyo Tamura

Future Robotics Organization, Waseda University, Tokyo, Japan

Deadline for manuscript submissions

closed (31 December 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/199349

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 9.4
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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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)