



## Feature Review Papers in Biosensors Section 2024

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:

**31 December 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.





*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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)