

## Special Issue

# Devices and Wearable Devices toward Innovative Applications

### Message from the Guest Editor

Biosensors have the characteristics of portability, low cost, and power consumption with a high analytical performance in terms of sensibility, low limits of detection and selectivity for several analytes. Biosensing tools for on-site chemical analysis of hazardous materials and biomarkers are important for rapid decision-making process in the field. For this purpose, the wearable devices can be exploited for monitoring of biomarkers in humans and plants indicating health conditions. This Special Issue is dedicated to the advanced nanotechnologies applied in the field of biosensing, including new concepts and designs for analytical devices, wearable devices, detection systems, sensors fabrication, big data, internet-of-things, personalized sensors, and biosensors focused upon clinical, food, environmental, agriculture, quality control, security, biomedical, personalized medicine, and therapeutic drug monitoring applications.

---

### Guest Editor

Dr. Paulo A. Raymundo-Pereira

Instituto de Física de São Carlos, Universidade de Sao Paulo-USP, Sao Paulo, Brazil

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.6  
CiteScore 9.8  
Indexed in PubMed



[mdpi.com/si/140381](https://mdpi.com/si/140381)

*Biosensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biosensors@mdpi.com](mailto:biosensors@mdpi.com)

[mdpi.com/journal/  
biosensors](https://mdpi.com/journal/biosensors)





# Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.6  
CiteScore 9.8  
Indexed in PubMed



[mdpi.com/journal/  
biosensors](https://mdpi.com/journal/biosensors)



## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

---

### Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della  
Laustruccia 3, 50019 Sesto Fiorentino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Embase, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).