

## Special Issue

# Biomedical Sensing and Imaging

### Message from the Guest Editors

Biomedical sensing and imaging are technologies by which biomedical information is acquired and processed, which are of great significance for the early detection, rapid diagnosis and precise treatment of diseases. Biomedical sensing and imaging involve multiple disciplines, including electronic information technology, biomedical technology, artificial intelligence and more. During past years, considerable research efforts have been devoted to biomedical sensing and imaging. Common biomedical sensing technologies, such as electroencephalogram (EEG), electrocardiogram (ECG) and invasive ultrasound (IVUS), have been successfully applied in clinical medicine. The aim of this Special Issue is to provide a research forum in biomedical sensing and imaging and to extend the scientific frontier of this very important and significant biomedical endeavor. The main topic is related but not limited to:

- biosensing and bioelectronics
- biomedical imaging
- bio-diagnostics
- artificial intelligence for biomedical applications
- imaging algorithms related to biomedical applications
- wearable biosensors and devices

---

### Guest Editors

Prof. Dr. Wuliang Yin

Department of Electrical and Electronic Engineering, University of Manchester, Manchester M60 1QD, UK

Dr. Yuedong Xie

School of Instrumentation and Opto-Electronic Engineering, Beihang University, Beijing 100191, China

---

### Deadline for manuscript submissions

closed (31 May 2021)



## Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.6  
CiteScore 9.8  
Indexed in PubMed



[mdpi.com/si/45320](https://mdpi.com/si/45320)

*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).