

# Special Issue

## Immunoassays and Biosensing

### Message from the Guest Editors

Immunoassays and biosensors have been widely used in several fields, including clinical, food safety, and environmental monitoring. Immunoassays are continuously being developed so that they produce simpler to use, rapid, field-portable tests that may be either qualitative or quantitative in nature, especially in relation to the outbreak of the COVID-19 pandemic. The use of new biorecognition elements and novel transducers has also led to the rapid increase in publications concerning biosensor development. However, further innovations, including, but not limited to, the topics of antibodies; new biomaterials; signal-amplification strategies; bio-conjugate techniques; sample pre-treatment methods; automation; and multiplex detection, are required to strengthen the use of immunoassays and biosensors for numerous practical applications. This Special Issue aims to collect original articles and reviews presenting research progress, fabrication, manufacturing, innovative applications, new challenges, and future prospects concerning immunoassays and biosensors in various fields.

---

### Guest Editors

Dr. Dongyang Li  
Dr. Xu Wang  
Dr. Juan Pablo Salvador

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.6  
CiteScore 12.1  
Indexed in PubMed



[mdpi.com/si/135948](https://mdpi.com/si/135948)

*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 12.1  
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).