

# Special Issue

## Cell Based Biosensors

### Message from the Guest Editor

Biosensing technology is one of the fastest growing fields with wide applications. While there are various types of biosensors available, cell-based sensors offer unique advantages over other in vitro biosensors. They allow the monitoring of biological targets in their native environment, where diverse biological molecules co-exist, thus providing more biologically reliable information. Cell-based sensors also enable the functional identification of unknown materials with promising biological activities. Cell-based sensors are up-and-coming tools in the biosensing field, and they hold strong potential especially in the areas of pharmacology, toxicology, as well as environmental research. It will be very interesting and beneficial to the scientific society to discuss the recent development and improvement of these sensors.

### Guest Editor

Dr. Youngeun Kwon

Department of Biomedical Engineering, College of Bio System,  
Dongguk University, Seoul 04620, Korea

### Deadline for manuscript submissions

closed (28 February 2022)



## Biosensors

an Open Access Journal  
by MDPI

Impact Factor 5.6  
CiteScore 9.8  
Indexed in PubMed



[mdpi.com/si/39157](https://mdpi.com/si/39157)

*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  
Lastruccia 3, 50019 Sesto Fiorentino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, 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 21.8 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).