

## Special Issue

# Fluorescence Biosensors 2020

### Message from the Guest Editor

Fluorescent biosensors are becoming the most extensively studied analytical devices because easy, rapid, highly sensitive, and specific biosensors contribute to advances in medicine, for use in cancer and drug discovery. Fluorescent biosensors can also probe ions, metabolites, and protein biomarkers with great sensitivity. Fluorescent biosensors can be classified according to the type of biorecognition elements, such as enzymes, antibodies, nucleic acids, receptors, and whole cells, and the mode of fluorescence detection, such as fluorescence intensity, fluorescence decay time, ratiometric fluorescence intensity. That is, the main building blocks of fluorescent biosensors are fluorescence emission of organic and inorganic fluorescence materials and immobilization methods of biological elements, where the main challenges are to serve wide fields with an enormous impact on healthcare, agriculture, food, and environmental monitoring.

This Special Issue aims to introduce recent progress in the research and application of fluorescent biosensors.

---

### Guest Editor

Prof. Dr. Jong Il Rhee

School of Chemical Engineering, Research Center for Biophotonics,  
Chonnam National University, Yong Bong-Ro 77, GwangJu 61186,  
Republic of Korea

---

### 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/45199](https://mdpi.com/si/45199)

*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).