

Special Issue

Optical Fiber Based Biosensors

Message from the Guest Editor

I recently accepted an invitation to serve as the for a Special Issue of the journal Biosensors on the subject of "Optical Fiber Based Biosensors" and I think that many of you could provide an excellent contribution based on your expertise in the field. As you know very well, optical fibers represent an ideal technological platform for the fabrication of innovative sensors for biomedical applications, thanks to a unique combination of features that lead to the development of devices characterized by minimal invasive impact, flexible configuration, and high sensitivity, just to cite a few properties.

Furthermore, there is no need to highlight the importance of new biosensors to help to face current health challenges, not just limited to the SARS-CoV2 pandemic, but also considering all other diseases that risk being neglected with all the attention focused on COVID-19. The aim of the Special Issue is collect and present the latest advancements in fiber-optic-based biosensing, from the design of new devices, to experimental verification, up to clinical application. Original research articles as well as review papers are welcome.

Guest Editor

Prof. Dr. Guido Perrone

Department of Electronics and Telecommunications, Politecnico di Torino, I-10029 Turin, Italy

Deadline for manuscript submissions

closed (30 June 2021)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/65772

Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).