

Special Issue

New Trends in Electrochemical Biosensors for Healthcare and Environmental Monitoring

Message from the Guest Editor

This Special Issue is focused on sharing recent advances in the design of electrochemical (bio)sensors for the quantification of biomarkers and analyses of environmental relevance. Since the first biosensor described by Clark and Lyons in the early 1960s, electrochemical biosensors have demonstrated themselves to be very competitive and powerful tools for a large number of applications due to their well-known advantages such as low cost, high sensitivity and selectivity, fast response, miniaturization, and portability. In this sense, it is important to remark on the key role of nano(bio)technology for the design of new schemes oriented to the preparation of the biorecognition layer and the electrochemical transduction of the analytical signal. Original research articles, reviews, and prospective articles are welcome.

Guest Editor

Dr. Pablo R. Dalmasso

Center for Research in Environmental Chemical Engineering (CIEQA), Córdoba Regional Faculty, National Technological University, Córdoba 5016, Argentina

Deadline for manuscript submissions

closed (31 July 2025)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/201683

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
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).