

Special Issue

Biosensors for Environmental Monitoring and Food Safety

Message from the Guest Editors

In recent years, the need for accurate, real-time monitoring of environmental and food safety has become increasingly critical. The rise in global population, industrialization, and agricultural activities has led to heightened concerns about pollution, foodborne illnesses, and the integrity of our food supply chains. Traditional analytical methods, while effective, often fall short in providing the rapid and on-site analysis required to address these challenges promptly. Biosensors, which integrate biological recognition elements with physicochemical transducers, have emerged as powerful tools to meet these demands. Their unique ability to offer high sensitivity, specificity, and rapid response times makes them indispensable in detecting contaminants, pathogens, and other harmful agents in both environmental and food matrices. The aim of this Special Issue is to report on the developments and advances in biosensors to meet the needs of environmental and food analysis.

Guest Editors

Prof. Dr. Jing Wei

The Key Laboratory of Biomedical Information Engineering of Ministry of Education, Institute of Analytical Chemistry and Instrument for Life Science, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China

Dr. Bingxi Feng

The Key Laboratory of Biomedical Information Engineering of Ministry of Education, Institute of Analytical Chemistry and Instrument for Life Science, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China

Deadline for manuscript submissions

30 June 2026



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/207779

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, 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 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).