

Special Issue

Advances in Biosensors for Health-Care and Diagnostics

Message from the Guest Editor

Biosensors have changed our world in incalculable ways. Various micro- and nano-scale sensors have been developed, demonstrating potential for unprecedented growth in their deployment in next-generation healthcare diagnostics, environmental monitoring, energy and embedded wireless systems, as well as robotics and space applications. With much lower usage of reagents required for calibration, they have fast response time and ability to measure non-polar molecules that cannot be estimated by other conventional devices. Additionally, the biosensor material must be biocompatible and resistant to a wide range of biochemical parameters such as pH, temperature, and other environmental conditions, and so may not require specific storage conditions. This Special Issue cordially invites researchers to contribute original and innovative research outcomes on engineering and theory associated with the design, modeling, fabrication, and application of biosensors being used pervasively in the medical health care field to diagnose infectious diseases, particularly for future clinical applications.

Guest Editor

Prof. Dr. Shanthy Sundaram

Department of Biotechnology, University of Allahabad, Allahabad, India

Deadline for manuscript submissions

closed (30 September 2023)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/136991

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).