

Special Issue

Microfluidic Bio-Sensors and Their Applications

Message from the Guest Editor

The integration of microfluidics and sensing technology is a rapidly developing field with major applications towards diagnostic devices, including rapid detection for food safety, chemical and biological research, medical diagnostics, and environmental monitoring. This Special Issue is dedicated to covering innovations over a variety of topics in this area, from sensing to manufacturing and integration methods to novel microfluidic-based sensors for biological application. The scope of the journal is wide on biosensing, including but not limited to the following areas:

- Lab-on-a-chip and other biochips and microarray systems;
- Novel microfluidic based biosensing concepts, mechanisms, and detection principles;
- 3D printed microfluidic and biosensing devices;
- Development of biosensor methodologies and applications;
- Fabrication technology of chip-based detection devices;
- Scaffold based biomimetic systems and microfluidic devices for biosensing application;
- Biological and chemical actuators, including smart materials and microfluidic components;
- Biophotonic sensors and chemical sensing systems.

Guest Editor

Dr. Krishna Kant

Centro De Investigaciones Biomédicas (CINBIO), Universidade de Vigo,
36310 Vigo, Spain

Deadline for manuscript submissions

closed (10 December 2022)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 6.2
CiteScore 12.1
Indexed in PubMed



mdpi.com/si/44402

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 6.2
CiteScore 12.1
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).