# Special Issue

# Advances in Nanopore Biosensors

## Message from the Guest Editors

Nanopore sensing technologies have gained tremendous popularity in recent years for diagnostic applications due to their label-free single-molecule detection capabilities. For this Special Issue, we welcome original research papers as well as reviews on the recent advancements in the development of highly sensitive and specific biological and solid-state nanopore biosensing technologies. This includes the design and fabrication of state-of-the-art nanopore biosensors for disease biomarkers, characterization of biomolecules like secretions from single cells, study of nanopore transport mechanisms, and point-of-care implementations. The design and development of nanopore-based point-of-care diagnostic systems is of special interest. Reviews should provide an in-depth examination of the most recent research in a specific context or discuss the existing and future issues related to nanopore sensing in the biomedical field.

#### **Guest Editors**

Dr. Ki-baek Jeong

Dr. Sathishkumar Munusamy

Dr. Muhammad Asad Ullah Khalid

### Deadline for manuscript submissions

30 June 2026



an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/227563

Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

mdpi.com/journal/biosensors





# **Biosensors**

an Open Access Journal by MDPI

Impact Factor 5.6 CiteScore 9.8 Indexed in PubMed



## 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).

