Special Issue

Electrical/Optical Biosensing and Regulating Technology II

Message from the Guest Editors

Electrical/optical biosensing and regulating technology is a powerful tool to perform biomedical research and its applications. Using highly sensitive electrical/optical sensing technologies, weak signals or trace biomarkers of biological living bodies can be detected in a dynamic, real-time, and label-free way. Moreover, high-throughput devices and systems are manufactured to efficiently perform and apply biosensing and regulating research. Electrical/optical biosensing and regulating technology will be a promising tool in the wide fields of biological investigations, physiological detection, pharmaceutical screening, and environmental monitoring. This Special Issue focuses on the recent advances in electrical and optical biosensors, including the design of various micro/nanoscale devices or probes, matched sensitive biosensing approaches to convert biological or chemical signals to electrical/optical signals, and high-throughput biosensing systems for the detection of biomarkers or signals from the biological living body.

Guest Editors

Dr. Ning Hu

Stoddart Institute of Molecular Science, Department of Chemistry, ZJU-Hangzhou Global Scientific and Technological Innovation Center, Zhejiang University, Hangzhou 310058, China

Dr. Hao Wan

Department of Biomedical Engineering and Instrument Science, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions

closed (29 February 2024)

Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed

mdpi.com/si/147434

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

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).

MDPI