Special Issue

Self-Powered Flexible Bio/Chemical Sensors and Electronic Skin

Message from the Guest Editors

Flexible or wearable bio/chemical sensors that attach to body accessories or human skin have been given great attention because of the popularization of portable electronic consumers. The latest developments in materials science, mechanics technology, and electronics can help in establishing the various stretchable and flexible sensing devices (e.g., electronic skin) conforming to the complex, textured surface of the skin or clothing. At the same time, the rapid development of self-powered techniques has also brought enormous opportunities for the advancement of traditional sensing systems. The convergence of wearable electronics, miniaturized sensor technologies, and self-powered techniques provides novel opportunities to improve the quality of health/environmental analysis This series of works will be very interesting and beneficial to the scientific community to develop the next generation of bio/chemical sensors and expand the scope of self-powered systems. The main topic is related but not limited to:

- Biosensors
- Chemical sensors
- Electronic skin
- Self-powered
- Flexible electronics
- Health analysis
- Environmental monitoring

Guest Editors

Prof. Dr. Xinyu Xue

Prof. Dr. Yan Zhang

Prof. Dr. Lili Xing

Deadline for manuscript submissions

closed (15 December 2021)

Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed

mdpi.com/si/57135

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