

Special Issue

Advances in Electrochemical Sensors for Biomarker Detection, Biomolecular Interaction Analysis and Nanomaterial-Enhanced Sensing Platforms

Message from the Guest Editor

This Special Issue, *Advances in Electrochemical Sensors for Biomarker Detection and Biomolecular Interaction Analysis*, seeks to explore the latest developments and applications of these technologies. It aims to showcase cutting-edge innovations that enhance the capabilities of electrochemical devices, with a focus on novel sensing strategies, improved analytical performance, and emerging applications. Topics of interest include but are not limited to the following:

- Development of novel electrochemical sensing materials and architectures for biomarker detection.
- Integration of sensors with microfluidics and lab-on-a-chip platforms for high-throughput analysis.
- Electrochemical approaches for real-time and quantitative analysis of biomolecular interactions, including protein–ligand, DNA–protein, and receptor–target studies.
- Applications in disease biomarker detection, drug discovery, environmental and food monitoring.
- Emerging trends in wearable and implantable electrochemical biosensors.

We welcome original research articles, comprehensive reviews, and perspectives that address current challenges and future opportunities in this rapidly evolving field.

Guest Editor

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Deadline for manuscript submissions

30 November 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/228125

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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