Special Issue

Technical Progress of Electrochemical Sensors

Message from the Guest Editor

Sensors based on surface modification enable the immobilization of a variety of organic and bioorganic molecules on conducting and semi-conducting surfaces. They allow the detection of a variety of target molecules, leading to a wide range of potential applications. The success of a sensor relies on the control of the immobilization process and fast/efficient recognition methods. The use of electrochemical methods (either for immobilizing organic/bioorganic molecules on conducting/semi-conducting surfaces or for monitoring the interactions occurring at the interfaces) exhibits several advantages, such as ease, low cost, and rapid responses. Moreover, electrochemical methods combined with spectroscopy techniques provide better detection limits. This Special Issue is focused on the description and collection of innovative research articles and reviews on recent progress in electrochemical detection methods for organic/bioorganic molecules for the development of novel electrochemical sensors.

Guest Editor

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Deadline for manuscript submissions

31 July 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/204755

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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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