

Special Issue

Optical and Electrochemical Biosensors for Biological, Environmental, and Food Analysis

Message from the Guest Editor

This Special Issue aims to showcase the latest research advances in optical and electrochemical biosensors to explore the real analysis potential and inspire researchers to identify prospective and more interesting directions for its further development and application. We accept original, technical, or review papers on (but not limited to) the following topics:

- Investigation of potential molecular mechanisms and interactions of optical and electrochemical biosensors;
- Development of devices for various sensing platforms, including microsystem technologies, miniaturized devices, microelectrodes, etc.;
- Active material exploration for enhancing the analytical performance of optical and electrochemical systems, including nanomaterials, novel semiconductor materials, microelectrode materials, etc.;
- Advances and perspectives in design devices and fabrication technologies for optical and electrochemical biosensors;
- Application of optical and electrochemical biosensors in biological, environmental sciences, and food analyses.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2025)



Biosensors

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Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



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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.

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Prof. Dr. Giovanna Marrazza

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