

Special Issue

Advances in Glucose Biosensors Toward Continuous Glucose Monitoring

Message from the Guest Editor

This Special Issue is devoted to exploring new biosensing strategies, innovative sensing approaches, new wearable and implantable platforms, miniaturized glucose biosensors, and applications as CGMs in different human biofluids or plants. I would like to invite you to contribute original research papers, as well as comprehensive reviews (subject to editorial pre-approval), focusing on wearable, implantable, or point-of-care (bio)sensors and devices for glucose monitoring. Contributions to address certain issues in advances in glucose biosensors might include but are not limited to the following topics:

- Glucose biosensors
- Enzymatic sensors
- Implantable sensors
- Self-powered biosensors
- Biofuel cells
- Wearable electrochemical sensors
- Wearable optical sensors
- Wearable sweat sensors
- Continuous glucose monitoring

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2025)



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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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