

Recent Advances in Glucose Biosensors

Guest Editors:

Dr. Natalija German

Department of Immunology and Bioelectrochemistry, State Research Institute Centre for Innovative Medicine, LT-08406 Vilnius, Lithuania

Dr. Anton Popov

1. NanoTechnas—Center of Nanotechnology and Materials Science, Institute of Chemistry, Faculty of Chemistry and Geosciences, Vilnius University, LT-03225 Vilnius, Lithuania
2. Department of Immunology and Bioelectrochemistry, State Research Institute Centre for Innovative Medicine, LT-08406 Vilnius, Lithuania

Deadline for manuscript submissions:

27 September 2024

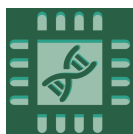
Message from the Guest Editors

The demand for accurate, cost-effective, sensitive, selective, and miniature glucose biosensors is on the rise, particularly in the field of clinical practice, the monitoring of food quality, and the diagnosis as well as control of diabetes. Diabetes mellitus is considered a worldwide public health problem, which increases the risk of heart disease, kidney failure, blindness, nerves, and the circulatory system.

The main topic of this Special Issue is the recent advances in the field of glucose biosensor development. It will include original articles and research reviews delving into innovative fabrication, technology, and the overall progress in glucose biosensor development, their applications in various research areas, such as biomedical applications, the control of beverages, biofuel cell fabrication, and bioelectronic devices. The attention will be directed towards the use of various nanoparticles or nanostructures in the crafting of innovative glucose biosensors.

We invite you to submit to this Special Issue original research articles and review articles highlighting recent advances in glucose biosensor development and real-world applications.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Chemistry, Analytical*) / CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Biosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biosensors
biosensors@mdpi.com
[X@Biosensors_MDPI](https://twitter.com/Biosensors_MDPI)