

Special Issue

Advances in Microbial Fuel Cell-Based Biosensors

Message from the Guest Editors

Microbial-fuel-cell-based *biosensors* offer a unique combination of benefits that makes them an attractive technology for various applications. Firstly, they have high sensitivity, allowing them to detect low concentrations of target substances in a sample. Secondly, they have low costs of operation due to the use of renewable energy sources and the ability to use inexpensive materials. Finally, they have a low environmental impact, as they do not require harmful chemicals or generate waste products. These advantages make microbial-fuel-cell-based *biosensors* a promising technology for environmental monitoring, medical diagnostics, and food safety analyses. Therefore, this Special Issue aims to present cutting-edge fundamental and applied research activities in microbial-fuel-cell-based *biosensing*, showcasing innovative technologies, methods, and novel integrated devices for next-generation environmental monitoring, medical diagnostics, and food safety analyses. We invite submissions that will help advance research in the field of microbial-fuel-cell-based *biosensing* technologies.

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Deadline for manuscript submissions

closed (31 March 2024)



Biosensors

an Open Access Journal
by MDPI

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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