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Advances in Microbial Fuel Cell-Based Biosensors

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Deadline for manuscript submissions: closed (31 March 2024)

Message from the Guest Editors

Dear Colleagues,

Microbial-fuel-cell-based *biosensors* offer а 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-cellbased technology biosensors a promising for environmental monitoring, medical diagnostics, and food safety analyses. Therefore, this Special Issue aims to present cutting-edge fundamental and applied research microbial-fuel-cell-based biosensing, activities in 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 microbial-fuel-cellof based biosensing technologies.





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Message from the Editor-in-Chief

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