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Recent Progress of Microbial Electrochemistry-Based Biosensors

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Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editors

Dear Colleagues,

The continuous emergence of new pollutants and their unpredictability in the environment brings new challenges to water quality early warning. The development of rapid and stable water quality measurement technology is the key to solving this problem. Microbial electrochemical-based *biosensors* have become a hot research topic because of their real-time online. Therefore, we cordially invite you to submit your work results and contributions on the latest research progress of microbial electrochemical-based *biosensors* to this Special Issue to better ensure water quality safety. Potential contributions can include, but are not limited to:

1. Microbial fuel cell biosensors.
2. Microbial electrolytic cell biosensors.
3. Key factors and monitoring strategies for bioelectrochemical sensors.
4. Field observations of bioelectrochemical sensor measurement processes.
5. Modeling and prediction of bioelectrochemical sensors for actual water sample determination.

Submission of studies on the commercialization of developed microbial electrochemical *biosensors* is strongly encouraged.



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Special Issue



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Editor-in-Chief

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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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