

Special Issue

Sensors for Detection of Bacteria and Their Toxins

Message from the Guest Editor

Bacteria and their toxins pose threats to multiple aspects including humans, animals, environment, and ecology. High-sensitivity, rapid, and high-throughput detection of bacteria and their toxins is essential for food safety risk identification, clinical diagnosis, and ecological monitoring. Traditional detection methods based on biochemical identification, immunology, and PCR have problems such as long detection time, low sensitivity, and complex pretreatment. Biosensors have advantages such as high sensitivity, rapid response, high specificity, and portability in detecting bacteria and their toxins, and have broad application prospects.

Guest Editor

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Deadline for manuscript submissions

31 October 2025



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/234392

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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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