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

Dr. Hui Jiang

Key Laboratory of Detection and Traceability Technology of Foodborne Pathogenic Microorganisms, State Administration for Market Regulation, Nanjing Institute for Food and Drug Control, Nanjing 210038, China

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Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza
Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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