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Electrochemical Biosensors for Disease Detection

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Message from the Guest Editors

Dear Colleagues,

Detection of diseases at the early stage is important both for patient health and the reduction of treatment costs. Therefore, it is important to have highly sensitive and diverse techniques that can be effective in the early stages of diseases. Miniaturized, economic, and practical devices that have the capacity to replace time-consuming laboratory analyses are urgently needed for diagnostic processes. Electrochemical biosensors play a significant role in point-of-care testing (POCT) diagnostics because they are rapid, real-time, cost-effective, able for miniaturization, and intelligent. Hence, this Special Issue "Electrochemical Biosensors for Disease Detection" focuses on the recent advances of electrochemical biosensors in the sensitivity amplification strategies, point-of-care diagnostics, nanotechnology, and their applications in the detection and discovery of disease biomarkers (DNA, RNA, antigen, antibody, small molecules, and, etc.). We invite submissions of research that help to advance the field of electrochemical biosensors and their application for high-throughput analysis of disease biomarkers.



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Special Issue



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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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