

Special Issue

Biosensors for Monitoring and Diagnostics, 2nd Edition

Message from the Guest Editors

This Special Issue was focusing on electrochemical and optical sensors based on different recognition systems, this research will explore their significance in disease monitoring and diagnosis. This compilation of research and findings explores the potential of electrochemical and optical biosensors to enable the rapid and accurate detection of biomarkers associated with various health conditions. It addresses technological advancements and innovations in the engineering of biological components and the design of electrochemical biosensors, highlighting their sensitivity, selectivity, and real-time monitoring capabilities. The main topics include the use of engineering components to facilitate electron transfer and recognition for the immobilization and construction of biosensors, increasing sensitivity, selectivity, and stability. This Special Issue will also cover the role of artificial intelligence and bioinformatics in designing the biological components of biosensors. Overall, this Special Issue will serve as a comprehensive resource for understanding the current landscape and future prospects of electrochemical/optical biosensors in healthcare applications.

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About the Journal

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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