

Special Issue

Novel Materials in Biosensing Devices

Message from the Guest Editors

The high significance of biosensing applications to improve the quality of life has been a cornerstone over the years. Different kinds of biosensors have been developed with the available spectrum of nanomaterials. The materials involved in fabricating the biosensors have been investigated for a while. Apart from the physicochemical nature of the materials, their interaction with other processed materials has been extensively studied to form biosensors. The utilization of biosensors has been done in a varied manner to detect the concentration of bio-macromolecules, in terms of biomarkers, in the human body. Since the working mechanism of the developed biosensors primarily dictates their chosen applications, the electromechanical characteristics of the novel materials are one sector that needs constant research. This Special Issue aims at showcasing the work done and subsequent challenges of new materials considered for biosensing purposes. It highlights the state-of-the-art research carried out by biosensors for academic and commercial purposes.

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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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