Special Issue

Recent Advances in Nanomaterial-Based Biosensing and Diagnosis

Message from the Guest Editors

Nanomaterials have provided great contributions to the development of biosensors and diagnosis over the past few decades. So far, various nanomaterial-based techniques on account of electrochemistry, chemiluminescence, electrochemiluminescence, fluorescence, surface plasmon resonance, and colorimetric analysis have been developed. Nevertheless, fully satisfying the continued growing demand for application platforms that have the advantages of high sensitivity, low cost, and convenient operation is still a challenge, especially for industry requirements with high-performance fabrication technology. It is believed that multidisciplinary collaborations will remain the focus for the future development of biosensing and diagnosis applications, which will further stimulate research interest from academia and industry. Accordingly, this Special Issue is devoted to a collection of significant advances on innovative research in the fabrication of different types of nanomaterial-based biosensors and diagnosis applications.

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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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