Special Issue

Advanced Nanomaterials for Electrochemical Biosensing Application

Message from the Guest Editor

Sustainable and multifunctional nanostructured advanced materials have been significantly growing in importance due to their unique physio-chemical properties. Thus, attention has been drawn towards their use in fabricating electrochemical sensors, which have persistently evolved in the fields of food management, environmental monitoring, disease diagnosis, and miniaturized devices. Sustainable and multifunctional nanostructured materials coupled with electrochemical methods have been showing promise as a technique for the detection of biomolecule signals. In this Special Issue we welcome original research articles, short communications, and review articles from researchers which focus on the following topics that are significantly related to sustainable nanostructured materials for biomolecule detection.

- A new strategy for sustainable nanostructured materials synthesis for electrochemical and impedimetric detection.
- A new strategy for the design and development of electrode fabrication techniques based on new advanced materials for biomolecule detection.
- Design and development of paper-based electrochemical coupled-gated devices for biomolecule detection.

Guest Editor

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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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