Special Issue

Current Updates of Electrochemical Sensors and Biosensors

Message from the Guest Editor

The potential applications of electrochemical sensors and biosensors are at the forefront of other methods due to their unique characteristics, such as functional diversity, miniaturization, intelligence, low cost, point-of-care application, easy-to-use, and high sensitivity. In this Special issue, we aim to explore recent advances in materials, techniques, and applications of electrochemical sensors and biosensors. We welcome manuscripts covering the following areas:
Electrochemical biosensors for molecular diagnostics;
Electrochemical biosensors for clinical application;
Electrochemical biosensors in point-of-care detection devices;
Nanomaterials-based signal amplification;
Enzyme-based electrochemical biosensors;
Microfluidic electrochemical sensors and lab-on-chip sensing devices;
Novel material-based sensors;
Application of new nanomaterials in electrochemical sensors;
Immunosensors and DNA-based biosensors;
Self-powered electrochemical sensors;
Electrochemical sensors in air pollution monitoring;
Pharmaceutical applications of electrochemical sensors;

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2023)

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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