Special Issue

Application of Electrochemical Sensors in Biomedical Diagnostics

Message from the Guest Editors

The potential applications of electrochemical sensors in biochemical and biomedical diagnostics are at the forefront of other methods due to their unique characteristics, such as functional diversity, miniaturization, intelligence, low cost, point-of-care application, and high sensitivity. In this Special Issue, we aim to explore recent advances in diagnostic technologies through electrochemical biosensors. We welcome manuscripts covering the following areas:

- Exosomes and cancerous biomarkers detection using electrochemical biosensors;
- Electrochemical biosensors for molecular diagnostics;
- Development of electrochemical biosensors for the detection of disease-related biomarkers;
- Nanomaterials-based signal amplification in electrochemical biosensors;
- Enzyme-based electrochemical biosensors;
- Development of microfluidic electrochemical biosensors and lab-on-chip sensing devices;
- Simultaneous multianalyte detection;
- Electrochemical biosensors in point-of-care detection devices
- Novel material-based biosensor
- Assembly and micro-fabrication of biosensor
- Advancement of the electrochemical biosensors in Lifescience.

Guest Editors

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Dr. Leila Kashefi-khyrabadi

Deadline for manuscript submissions

closed (25 May 2022)

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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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