Special Issue

Electrochemical Biosensors for Biomedical Applications

Message from the Guest Editors

The electrochemical biosensor is a typical sensing device that transduces biochemical events such as enzyme substrate reaction, DNA/RNA or aptamer conjugation, and antigen–antibody interaction in electrical signals (e.g., current, voltage, impedance). This Special Issue seeks to address the latest and most important advances in electrochemical biosensors for biomedical applications. Manuscripts including original research articles and reviews are welcomed. This Special Issue of *Biosensors* will focus on the following topics related to electrochemical biosensors but not limited to:

- Detection of cancer, metabolic or any disease biomarkers;
- Diagnosis for clinical applications;
- Immunosensors;
- Label-free biosensors;
- Enzyme-based biosensors;
- DNA-based biosensors;
- Employing functional nanomaterials;
- Miniaturized systems;
- Biosensors in lab on a chip (LOC);
- Biosensors in organ on a chip (OOC);
- Point-of-care testing (POCT);
- Implantable biomedical devices;
- Immobilization of biomolecules (enzyme, antibody and nucleic acid, etc.);

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Deadline for manuscript submissions

closed (20 June 2023)

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About the Journal

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.

Editor-in-Chief

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