

Special Issue

Immunosensors - Trends and Perspective

Message from the Guest Editor

Immunosensors are a special form of immunoassays that use the specific antigen–antibody interactions to identify and quantify target molecules in biological samples. An immunosensor normally contains a transducer that directly monitors the sensing event and can be developed into a stand-alone device for point-of-care applications. It has been demonstrated that many of the unmet needs in traditional immunoassays can be fulfilled by immunosensors to take full advantage of the specificity as well as the diversity of the antibody in many diagnostic needs. These may include, but are not limited to, label-free, ultra-high-sensitivity, real-time, multiplexing, and high-throughput immunosensors that have been developed in recent years. In addition, the availability of modern electronics industries provides novel opportunities for the immunosensors, not only the electronic parts for the immunosensor but also the whole ecosystem, to effectively participate in the world trend in the digital health care system. Topics of interest include, but are not limited to the following:

- Immunoassay
- Immunosensor
- Biosensor
- Antibody
- Protein–protein interaction

Guest Editor

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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.

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