Special Issue

Fluorescence Biosensors 2020

Message from the Guest Editor

Fluorescent biosensors are becoming the most extensively studied analytical devices because easy, rapid, highly sensitive, and specific biosensors contribute to advances in medicine, for use in cancer and drug discovery. Fluorescent biosensors can also probe ions, metabolites, and protein biomarkers with great sensitivity. Fluorescent biosensors can be classified according to the type of biorecognition elements, such as enzymes, antibodies, nucleic acids, receptors, and whole cells, and the mode of fluorescence detection, such as fluorescence intensity, fluorescence decay time, ratiometric fluorescence intensity. That is, the main building blocks of fluorescent biosensors are fluorescence emission of organic and inorganic fluorescence materials and immobilization methods of biological elements, where the main challenges are to serve wide fields with an enormous impact on healthcare, agriculture, food, and environmental monitoring.This Special Issue aims to introduce recent progress in the research and application of fluorescent biosensors.

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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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