Special Issue

Recent Advances in Microfluidic and Optical Biosensors

Message from the Guest Editor

The development of biosensors is of great importance, a fact which has been especially evident in recent years. As is well known, biosensors have interesting applications in molecular diagnostics, medical devices, food quality control, water purity control, environmental monitoring and more. One particular approach has utilized optofluidics, alongside the integration of optics and microfluidics, to provide new methods to detect biological phenomena. This Special Issue of *Biosensors* aims to publish original high-quality research papers covering the most recent advances, as well as comprehensive reviews, in the field of optofluidic biosensors. Contributions may include experimental, theoretical, numerical, and computational research. This includes, but is not limited to, microfluidic environments interrogated by optics, manipulation of liquids for optical signal processing, integrated micro-optical systems, optofluidic–fiber systems, micro-optic/fluid interaction, optofluidic manipulation of biological specimen, optofluidic detection of biological systems, new optofluidic biosensor fabrication methods, or similar topics.

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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