

Special Issue

Bio-Chips and Biosensors

Message from the Guest Editors

Recent events related to COVID-19 have exposed the woeful lack of low-cost, point-of-care, sample-to-answer diagnostics. There is an urgent need to build next-generation biosensor systems for medical, food safety, environmental, defense and life science applications. Biosensors are impressive due to their ever-increasing spectrum of applications, spanning simple blood glucose detection meters to more challenging early-stage detection of cancer using liquid biopsies.

In this Special Issue, we seek unique research and development efforts in the broad area of biosensors. Submissions detailing biosensing systems, new biosensing applications, bio-recognition probes, biomarkers, transducers, hardware or signal processing techniques are encouraged. The main topic is related but not limited to:

- biosensors
- biomarkers
- biochips
- electrochemical
- fluorescence
- chemiluminescence
- bioluminescence
- piezoelectric
- immunosensors
- DNA
- RNA
- signal processing
- machine learning

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Deadline for manuscript submissions

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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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