

Special Issue

Biomarkers Used for the Diagnosis of Diseases

Message from the Guest Editors

Dear Colleagues, Research on the discovery of novel biomarkers that allow for the rapid diagnosis of clinical ailments has seen exponential growth in recent years. Interestingly, the discovery of novel biomarkers is supported by the rapid growth in the development of platform technologies that allow for the highly sensitive and specific detection of biomarkers. Nucleic acid biomarkers (micro RNA, cDNA, and ctDNA) and protein biomarkers (cTnT, PSA, CRP, and CYFRA 21-1) are two types of biomarkers that are always under the scrutiny of the wide scientific community, who are working effortlessly to make disease diagnosis simple, rapid. The detection and quantification of nucleic acid biomarkers and protein biomarkers with high precision, will be key to the early diagnosis of the disease and for monitoring the effects of treatments. Therefore, there is an enormous demand for high-quality biomarker detection platforms. The main topics of this special issue are related but not limited to:

- biomarker detection
- microfluidics
- DNA chips
- protein chips
- lateral flow assays
- lab-on-chip
- point-of-care test
- biosensors

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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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