

Special Issue

Advanced Thin Film Sensors for Clinical Diagnosis

Message from the Guest Editor

This Special Issue, “Advanced Thin Film Sensors for Clinical Diagnosis,” aims to provide updated scientific insights into the use of functional molecular structures in film form to transduce biosignals into representative biomarkers for human models and various applications for research, improvement of life quality and clinical challenges. From a healthcare point of view, a new era encompassing the transformation of medical devices into intelligent integrated systems that allow continuous monitoring and consequent action is coming.

This juncture has led to a shift in the medical paradigm towards prevention rather than treatment and is at the origin of novel concepts such as eHealth and mHealth, which are based on the use of appropriate digital technologies for the promotion of public health, namely mobile devices and respective networks comprising a mobile network, or mHealth. This aspect is particularly important in the face of an aging population.

Accordingly, healthcare systems are being designed to promote personal medical care for prevention and diagnosis using new digital technologies, for which a novel set of sensor devices must be developed.

Guest Editor

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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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