

Special Issue

Non-invasive Medical Devices for Detection and Monitoring within Healthcare

Message from the Guest Editor

Biosensors have changed our world in incalculable ways; from blood glucose monitors to pacemakers and beyond. These devices have allowed individuals to live longer and healthier lives. However, a limitation to many is the requirement for these medical devices to be invasive in nature. This has, in turn, lowered the adherence levels of some of these sensors, such as the aforementioned blood glucose monitors. Likewise, the invasiveness of certain technologies leads to potential infections, elevated healthcare costs, and decreased market adoption. Thus, there has been an explosion of research in the area of non-invasive medical devices for either the detection or monitoring of a variety of medical conditions. These include through skin detection, breath analysis, urine metabolites, etc., and have been investigated within diabetes, cancer, diets, and lactose intolerance, to name but a few. This Special Issue is designed to showcase advances within the non-invasive detection settings within healthcare.

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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