

Special Issue

Biomedical Applications of Smart Sensors

Message from the Guest Editors

Along with the improved treatment of existing health conditions, biomedical applications are used to add prognostic and prophylactic measures and discover new therapies using innovative medical devices. Precise surface functionalization is a foundation for the groundbreaking biomedical discovery using a diverse range of chemically synthesized nanomaterials and bio-nanomaterials, including the use of aptamers, antibodies, tumoral biomarkers, carbohydrates, ssDNA, siRNA, and peptides on smart sensors, culminating in advanced biomedical devices. Currently, non-invasive or minimally invasive point-of-care biomedical smart sensing devices are trending for advancement in biomedical smart sensing. The significant advantage of these innovative biomedical sensing devices is their ability to generate continuous or non-continuous molecular information about health and disease as per the needs of the patients. We invite research on recent advancements in non-invasive or minimally invasive biomedical smart sensing point-of-care devices.

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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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