

## Special Issue

# Bioelectric Impedance Technology for Next Generation Point-of-Care Biomedical Biomarkers and Diagnostics

### Message from the Guest Editors

Point-of-care devices are unique diagnostic technologies that provide the potential for rapid biomarker detection and monitoring of medical conditions, thereby bypassing the demand for high-cost clinical laboratory facilities in many cases. Bioelectric sensors are suitable for use in handheld diagnostic devices due to the integrated electronic detection instrumentation and low requirement for processing reagents. Nowadays, bioelectric impedance sensing is widely used in tissue analysis such as body composition monitoring, however, its use in point-of-care patient testing is yet to be widely adopted. The aim of this Special Issue is to focus on the most recent advances and developments of biosensors in the field of bioelectric impedance sensing. Suggested topics are bioelectric sensors for single cell analysis, impedimetric biosensors, wireless biological electronic sensors, and implantable autonomous bioelectric micro- and nano-sensors. In addition, approaches providing a point-of-care/portable and wireless instrumentation, high throughput analytical capacity, and intelligent bioelectric impedance sensing platforms are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2021)



## Biosensors

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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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