



Current Accuracy and Advances in Wearable Sensors and Biosensors for Physiological Signals Measurement

Guest Editors:

Dr. Francesco Scardulla

Department of Engineering,
University of Palermo, Viale delle
Scienze, 90128 Palermo, Italy

Dr. Juri Taborri

Department of Economics,
Engineering, Society and
Business Organization, Tuscia
University, Largo dell'Università
Snc, 01100 Viterbo, VT, Italy

Dr. Gloria Cosoli

Department of Industrial
Engineering and Mathematical
Sciences, Università Politecnica
delle Marche, v. Breccie Bianche
12, 60131 Ancona, Italy

Deadline for manuscript
submissions:
closed (31 January 2024)

Message from the Guest Editors

Dear Colleagues,

In this special issue, wearable and contactless monitoring technologies, combined with data processing Artificial-Intelligence-based algorithms, could be used to monitor the general health status of patients. There are several biosensors for physicochemical detection and wearable technologies that range from contact to contactless systems, detecting a variety of physiological parameters, such as, among others, heart rate (HR) and its variability, respiratory rate, blood pressure (BP), skin temperature, stress, physical activity, energy expenditure, and sweating. Nevertheless, despite the huge variety of physiological parameters that can be acquired through sensors and biosensors, the determination of the measurement accuracy of measured data still remains a challenge. There are no widely accepted test protocols, and available data are quite inhomogeneous, making a comparison among the plethora of available devices difficult.

Thus, we invite you to submit your high-quality original research and review articles that address and explore recent advances in biosensors and wearable sensing technologies for physiological monitoring.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Chemistry, Analytical*) / CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Biosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biosensors
biosensors@mdpi.com
[X@Biosensors_MDPI](https://twitter.com/Biosensors_MDPI)