Special Issue

(Bio)sensors for Physiological Monitoring

Message from the Guest Editors

(Bio)sensing is a rapidly growing interdisciplinary field that integrates engineering, chemistry, biology, physics, medicine, and computational data analytics to develop advanced sensors for monitoring various physiological conditions. These sensors often provide continuous, real-time, and nonintrusive monitoring capabilities, significantly enhancing our understanding and management of human health and performance.

Monitoring human physiological signals plays a crucial role in guiding health management and exercise training. These signals can be categorized into physical signals, such as blood pressure and temperature, and chemical signals, which detect bioanalytes in saliva, blood, tears, and sweat.

This Special Issue aims to provide a platform for researchers from diverse scientific disciplines to exchange cutting-edge research in the field of (bio)sensors for physiological monitoring. We welcome authors to contribute reviews and original research articles that will illustrate the latest advancements and stimulate ongoing research in this exciting and emerging field.

Guest Editors

Dr. Falk Magnus

Department of Biomedical Science, Faculty of Health and Society and Biofilms, Research Center for Biointerfaces, Malmo University, 205 06 Malmö, Sweden

Prof. Dr. Sergey Shleev

Department of Biomedical Science, Faculty of Health and Society and Biofilms, Research Center for Biointerfaces, Malmo University, 205 06 Malmö, Sweden

Deadline for manuscript submissions

closed (30 June 2025)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/207886

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)