



Artificial Skins and Wearable Biosensors for Healthcare Monitoring

Guest Editors:

Prof. Dr. Yanchao Mao

School of Physics and
Microelectronics, Zhengzhou
University, Zhengzhou 450001,
China

Dr. Pengcheng Zhu

School of Physics and
Microelectronics, Zhengzhou
University, Zhengzhou 450001,
China

Dr. Lijun Lu

School of Physics and
Microelectronics, Zhengzhou
University, Zhengzhou 450001,
China

Deadline for manuscript
submissions:

closed (31 December 2024)

Message from the Guest Editors

Dear Colleagues,

Artificial skin, also known as electronic skin (e-skin), refers to intelligent wearable electronics that simulate the tactile perception function of human skin to identify the detected external information changes through different electrical signals. At present, the current study on flexible tactile sensors is developing towards high resolution, high sensitivity, self-powering, visualization, biodegradability, and self-healing. However, considering the urgent demand and rapid application of flexible sensing technology in various emerging applications, there remains a great challenge in how to achieve quantification, multi-function, high stability, and durability in the actual detection process. This topic provides an excellent opportunity for those who are studying and working on the design and applications of wearable electronics. Research papers, review articles, and communications relating to the material development, structural design, mechanism interpretation, preparation process, and related circuit design of artificial skins are all invited to this Topic.





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, CAPus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Biosensors Editorial Office
MDPI, Grosspeteranlage 5
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)