

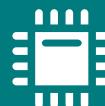
Special Issue

Advanced Sensors in Biomechanics and Rehabilitation Applications

Message from the Guest Editor

This Special Issue will cover a wide range of topics, from wearable sensors and smart textiles to implantable devices and advanced imaging techniques. The research within will highlight the role of these sensors in capturing and quantifying biomechanical parameters such as joint angles, muscle activity, gait patterns, and forces exerted during movement. These measurements seek to provide valuable insights into the mechanics of the human body and help clinicians to make informed decisions regarding diagnosis, treatment, and rehabilitation planning. Topics of interest include, but are not limited to:

- biomechanics of shoulder and deltoid tension assessment
- biomechanics of knee after total TKR
- novel control valve design
- novel control theories
- smart prosthetic socket
- prosthetics and spine kinematics
- prosthetic eye technologies
- composite foot dynamics (elastic response to impulse)
- condition monitoring of rotating machinaries



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5

CiteScore 8.2

Indexed in PubMed



[mdpi.com/si/194855](https://www.mdpi.com/si/194855)

Sensors

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

[mdpi.com/journal/
sensors](https://www.mdpi.com/journal/sensors)

Guest Editor

Prof. Dr. Siamak Noroozi

School of Design, Engineering and Computing, Bournemouth University, Talbot Campus, Fern Barrow, Poole, Dorset BH12 5BB, UK

Deadline for manuscript submissions

closed (31 December 2024)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](http://mdpi.com/journal/sensors)

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)

