Special Issue

Sensors for Biomechanical and Rehabilitation Engineering

Message from the Guest Editor

In the realm of biomechanics, wearable technology has emerged as a transformative tool in rehabilitation, utilising sensors to continuously monitor and provide real-time feedback on a wide range of data collected from individuals. This technology facilitates the assessment of biomechanical signals using force/pressure sensors, inertial measurement units (IMUs), and electromyography (EMG) sensors. By capturing these diverse data, wearable devices enable healthcare professionals to design personalised rehabilitation protocols, track patient progress, and optimise therapeutic interventions, ultimately enhancing recovery outcomes. This Special Issue therefore aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of Biomechanical and Rehabilitation Engineering.

Guest Editor

Dr. Ziyun Ding
School of Engineering, University of Birmingham, Edgbaston Campus, Birmingham B15 2TT, UK

Deadline for manuscript submissions

20 February 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/222160

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)