

Special Issue

Recent Trends and Advances in Wearable Exoskeletons, Sensing Technologies and Occupational Ergonomics

Message from the Guest Editors

In recent years, the development and usability evaluation of wearable exoskeletons integrated with sensors to monitor movement, force, and physiological signals—aimed at preventing musculoskeletal disorders among industrial workers and rehabilitation professionals—have gained significant global traction. This research topic, enhanced by sensing innovations, has emerged as one of the most important areas within the field of physical ergonomics. Accordingly, this Special Issue will focus primarily on research into wearable exoskeletons for the upper limbs, lower back, and lower limbs, alongside advancements in sensing technologies that enable their optimization. However, its scope is not limited to exoskeleton-related studies alone; we also welcome submissions from broader domains, including occupational ergonomics, safety, and health, particularly those incorporating sensing-based approaches, with the goal of fostering interdisciplinary collaboration and the sharing of diverse research outcomes.

Guest Editors

Prof. Dr. Yong-Ku Kong
Dr. Jaehyun Park
Dr. Jeong-ho Kim

Deadline for manuscript submissions

31 January 2027



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/248144

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



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

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)