# Special Issue

# Sensor Technologies and Their Applications in Biomechanics

## Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of sensor technologies and their applications in biomechanics. We seek research articles and reviews that provide insight into the design, development, and validation of sensors for biomechanics applications, as well as mathematical modelling and machine learning algorithms for medical, healthcare, and sports applications. Topics of interest include (but are not limited to):

- Gyroscopes;
- Force sensors;
- Ultrasound sensors;
- Gait analysis;
- Wireless sensors for biomechanics applications;
- The continuous monitoring of human motion in rehabilitation and sports;
- Biomechanical sensors in disease assessment, functional diagnosis, treatment, and rehabilitation;
- Data processing, simulation, and validation of sensors for biomechanics applications.

For more information, please visit: mdpi.com/si/164078


## Guest Editor

Dr. Amy B. Silder

Warfighter Performance Department, Naval Health Research Center, San Diego, CA 92106, USA


## Deadline for manuscript submissions

closed (25 July 2024)


# Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/164078

*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)