

Special Issue

Artificial Intelligence (AI) and Sensors in Sports Safety and NextGen Rehabilitation

Message from the Guest Editors

Sensors, sensing networks, artificial intelligence, and other new and advanced technologies determine the constant and quick changes of sport performances. Sensors and AI-based models predict and prevent injuries by providing real-time data that can be used to control fatigue, identify injury risks, track recovery progress, and change training programs to reduce the risk of injury. For this Special Issue, we are looking for articles on monitoring of workload, detection of movement patterns and irregularities, methods of identifying muscle imbalances, approaches to keeping track of the recovery phase, use of next-generation physiotherapy methods, models, and sensors, and concussions from wearable sensors or remote solutions. Potential topics include but are not limited to:

- predictive modeling
- injury diagnosis
- fatigue management
- biomechanical sensors
- virtual rehabilitation
- wearable sensors
- radar sensors
- concussion detection
- smart insoles
- EMG sensors
- movement sensors

Guest Editors

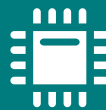
Dr. Sándor Miklós Szilágyi

Dr. László Szilágyi

Prof. Dr. Antonio Ignacio Cuesta Vargas

Deadline for manuscript submissions

31 May 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed

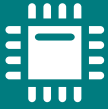


mdpi.com/si/164923

Sensors
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 3.4
CiteScore 7.3
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

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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)