



*sensors*



an Open Access Journal by MDPI

## Application of Motion Sensing Systems in Physical Activity and Sport

Guest Editors:

**Prof. Dr. Ernesto De La Cruz-Sánchez**

Public Health and Epidemiology Research Group, San Javier Campus, University of Murcia, 30720 San Javier, Spain

**Prof. Dr. José Pino Ortega**

Biovetmed & Sportsci Research Group, Department of Physical Activity and Sport, Faculty of Sport Sciences, University of Murcia, 30720 San Javier, Spain

**Prof. Dr. Sebastián Feu**

Research Group in Optimization of Training and Sports Performance, Faculty of Education, University of Extremadura, 06006 Badajoz, Spain

Deadline for manuscript submissions:

**closed (10 September 2022)**

### Message from the Guest Editors

The development of motion sensors enables the analysis of physiological, technical, and tactical behavior in physical activity and sport. The development and democratization of the use of sensors such as inertial motion units during the last decade have caused major changes in sport sciences as well as in health-related physical activity studies, which have undergone a great evolution as a consequence of motion analysis possibilities. At present, we can find a comprehensive use of sensors in physical-activity-related research: from sport medicine and rehabilitation to training and conditioning, health-related physical activity studies, physical education, and notational analysis.

This Special Issue is intended to become a comprehensive collection of useful state-of-the-art research studies. We will collect basic and applied research studies, tutorials, reviews, and position papers that address the use of motion sensors in physical activity and sport sciences. We will accept high-quality, original, unpublished papers that are not currently under review by any other journal or conference.



[mdpi.com/si/69693](https://mdpi.com/si/69693)

# Special Issue



# sensors



an Open Access Journal by MDPI

## 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

## 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.

## 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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)