



*sensors*



an Open Access Journal by MDPI

## Applications, Wearables and Sensors for Sports Performance Assessment

Guest Editor:

**Dr. Matteo Zago**

Department of Mechanics,  
Politecnico di Milano, 20133  
Milano, Italy

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### Message from the Guest Editor

Dear colleagues,

The way athletes perform and behave in complex environments, as well as the underlying cognitive control, is inherently complex, dynamic, multidimensional and highly nonlinear.

Wearable technology enables one to directly capture massive amounts of data on sports performance in ecologic (i.e., discipline- or sport-specific) conditions. The challenge is therefore to provide stakeholders (practitioners, sport scientists, coaches) with meaningful information out of this wealth of information: machine learning and artificial intelligence are a compelling choice to embrace this complexity.

This collection of articles features applications of data science to extract performance and functional information from wearable sensors within a sport and/or athletic environment. Examples are devices for physiological monitoring (heart rate and its variability, temperature, oxygen saturation). Innovative and custom solutions are also addressed: this Special Issue features a topical viewpoint on innovative ideas, current landscapes, and new trends on the horizon.

For detailed information, please visit [here](#).

Dr. Matteo Zago

*Guest Editor*



[mdpi.com/si/82289](https://mdpi.com/si/82289)

# 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](#)