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## Artificial-Intelligence-Enhanced Wearable Sensing Technologies for Biomechanical and Physiological Monitoring and Analysis

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Deadline for manuscript submissions:

**closed (20 April 2025)**

### Message from the Guest Editors

In this Special Issue, we focus on how wearable sensors are being employed to monitor and analyze the biomechanical and/or physiological behavior of elderly and other special populations. Another objective of this Special Issue is to provide a comprehensive overview of the application of artificial intelligence (AI) and machine learning in healthcare by quantifying the state of progress in terms of their utilization in biomechanics and human physiology.

We will accept manuscripts that address any of the following topics: the use of wearable sensors to collect biomechanical and/or physiological data, handle signal and noise, and process and analyze data, and how these processes are enhanced by the utilization of artificial intelligence (AI) and/or machine learning. One example is to develop a machine learning model that recognizes individuals' health status or potential issues using the signals of wearable sensors, and offers personalized lifestyle recommendations (e.g., exercise, diets, supplements) to enhance wellbeing by learning from data.



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**Special** Issue



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## Editor-in-Chief

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## 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.

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