

## Special Issue

# Wearable Robotic Systems in Medical Diagnostics and Rehabilitation

### Message from the Guest Editors

In the rapidly evolving landscape of healthcare technology, wearable sensors represent a pivotal advancement, offering unprecedented opportunities for medical diagnostics and rehabilitation. This Special Issue invites contributions that explore cutting-edge developments in wearable sensor technology. We seek research that demonstrates innovative designs, novel applications, and significant advancements in sensors capable of monitoring physiological signals and biomechanical parameters. The focus is on sensors that enhance patient care through real-time health monitoring, the early detection of diseases, continuous therapeutic feedback, and personalized rehabilitation strategies. Contributions may include, but are not limited to, the development of new sensor materials, the integration of sensors with mobile and IoT devices, AI-driven data analysis for health assessment, and user-friendly designs for everyday wear. We encourage submissions from interdisciplinary teams that are pushing the boundaries of what wearable medical devices can achieve, thus driving the fields of medical diagnostics and rehabilitation forward.

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### Guest Editors

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### Deadline for manuscript submissions

25 November 2026



## Sensors

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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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