

Special Issue

Wearable Technologies and Sensors for Health Monitoring

Message from the Guest Editor

Wearable health monitoring systems (WHMS) are transforming healthcare by providing non-intrusive, remote-access solutions for continuous biosignal monitoring. These devices enable ubiquitous point-of-care (POC) diagnostics and facilitate rapid medical intervention. Recent advances in this field have been made possible thanks to significant progress in multidisciplinary domains, including biosensors, RF antennas, energy storage devices, processing algorithms, and low-power communication protocols, enabling the development of cost-effective, low-power, and high-performance wearable devices. These innovations contribute to a more accessible and pervasive healthcare system. Consequently, ongoing research in WHMS should continue to explore low-cost materials and novel sensing technologies to further enhance performance, affordability, and integration of these devices. This Special Issue aims to showcase novel technologies that support advances in WHMS, including advanced sensors, flexible antennas, innovative energy storage solutions, intelligent processing algorithms, and communication networks.

Guest Editor

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Deadline for manuscript submissions

31 January 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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