

Special Issue

Smart Sensors and Digital Biomarkers for Ambient Assisted Living, Health Monitoring, Social Care and Rehabilitation

Message from the Guest Editors

Smart sensors are redefining how we support health, rehabilitation, assisted living, and social care. By capturing real-time data on physiological and behavioral patterns, these technologies make it possible to monitor health continuously, predict potential issues, and provide tailored support to individuals. The integration of digital biomarkers and AI-powered analytics enables the creation of responsive, personalized environments that enhance independence, accelerate recovery, and improve overall well-being. This Special Issue explores the use of smart sensors and digital biomarkers in ambient assisted living, health monitoring, rehabilitation, and social care. We welcome research on innovative sensor technologies, AI-driven health assessments, wearable devices, rehabilitation-focused sensor systems, home-based sensor networks, and advanced data fusion techniques. Contributions addressing real-world applications, such as rehabilitation programs, cognitive health support, and social care enhancements, are also encouraged. Our goal is to highlight cutting-edge research and applications that contribute to healthier, more autonomous living and faster recovery through technology.

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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.

Editor-in-Chief

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