

Special Issue

Sensor and Data Integration, Analysis and Exchange for Healthcare and Healthy Living

Message from the Guest Editors

With the increasing availability of sensor technologies and the growing importance of data-driven healthcare solutions, research in this area has gained significant attention in recent years. The proliferation of wearable devices, Internet of things (IoT) sensors, biosensors, and other advanced sensing technologies, alongside efforts in standardized health data exchange (e.g., HL7 FHIR and EEHRxF), has enabled the continuous monitoring of various physiological parameters and lifestyle behaviors. This abundance of data holds immense potential for revolutionizing healthcare delivery by providing clinicians with timely insights into patient health status, facilitating health promotion, early disease detection, and empowering individuals to become active actors in the management of their health and wellbeing. This Special Issue aims to explore the latest advancements, challenges, and opportunities in sensor and data integration, analysis, and exchange, while addressing application cases in areas such as chronic disease prevention and management, support of ageing populations, healthcare access and affordability, and healthy lifestyle management.

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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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