

## Special Issue

# Advances in IoT, AI and Sensor-Based Technologies for Disease Treatment, Health Promotion and Ageing Well

### Message from the Guest Editors

Advancements in the IoT, AI, and sensor technologies have vastly improved remote health monitoring and personalized interventions for health and wellbeing. In disease treatment, sensor technologies can track and analyze individuals' vital health signs, potentially leading to improved and earlier diagnosis, disease prevention, risk stratification, treatment efficacy, and follow-up care. Since individual digital biomarker profiles, AI can empower patients by providing personalized and tailored pharmacological and non-pharmacological interventions and recommendations and by facilitating improved dialogue between doctors and patients. Integrating sensors and AI into innovations for improving healthcare beyond clinical environments has also allowed interventions for healthy living through active assisted living and digital health technologies for wellbeing, which can potentially revolutionize disease treatment, health promotion, and active ageing. This Special Issue aims to compile original research and review articles on recent advances, technologies, solutions, applications, and challenges in IoT, AI, and sensors applied in healthcare and digital wellbeing.

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### Guest Editors

Dr. Mevludin Memedi  
Dr. Vanessa Leung  
Dr. Vida Groznic

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### Deadline for manuscript submissions

closed (31 July 2025)



## Sensors

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## About the Journal

### 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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### Editor-in-Chief

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