

## Special Issue

# Sensor Technologies for Mobility in Aging: Development, Validation and Application

### Message from the Guest Editors

Preserving physical functions (i.e., mobility) in older adults is a key area of focus within the Geriatric 5Ms care model. Mobility issues not only limit full participation in life but may also lead to severe consequences such as falls. Although sensor-based technologies have been applied in gait and balance assessment and fall detection/interventions in older adults, there is a need for readily accessible, user-friendly technologies with outputs/interfaces that users understand and want to use. In this Special Issue, we will focus on wearable/portable technologies that seamlessly integrate with artificial intelligence (AI) and the Internet of Things (IoT) to advance mobility monitoring and intervention in older adults. These technologies are intended to not only capture real-time data on gait, balance, and physical activity but also translate complex sensor signals into meaningful, actionable insights for users, caregivers, and clinicians. Submissions are specifically welcomed: (1) development of technology with the features mentioned above; (2) validation of technology against equipment used in clinic/hospital settings; (3) clinical applications of these technologies.

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### Deadline for manuscript submissions

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