Special Issue

IoT-Based Assistive Technologies and Platforms for Healthcare

Message from the Guest Editors

The rapid development of Internet of Things (IoT) technologies is transforming healthcare by enabling smart, connected, and adaptive assistive systems. Recent advances in wearable devices, remote monitoring platforms, AI-driven analytics, and cloud-integrated medical services are improving patient care, supporting independent living, and enhancing rehabilitation outcomes. However, the growing complexity of IoT-based healthcare ecosystems introduces new challenges in interoperability, scalability, real-time data processing, and the protection of sensitive medical information. This Special Issue invites original research articles, technical notes, and comprehensive reviews on innovative IoT-enabled solutions for assistive healthcare. Topics of interest include, but are not limited to, the following:

- Design and Implementation of smart healthcare systems;
- AI/ML-driven personalized care;
- Privacy-preserving and secure IoT data sharing;
- Blockchain-based healthcare platforms;
- Integration of large language models for clinical decision support;
- Real-world deployments of connected assistive devices.

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Deadline for manuscript submissions

30 June 2026

IoT

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 8.7

mdpi.com/si/252285

IoT
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Message from the Editor-in-Chief

Editor-in-Chief

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