

## Special Issue

# Mobile and Wearable Technologies for Cardiovascular Monitoring and Disease Management

### Message from the Guest Editor

Recent advances in artificial intelligence (AI) and mobile and wearable technologies are revolutionizing cardiovascular medicine by enabling real-time monitoring and early detection of arrhythmias, heart failure decompensation, and other critical cardiac events. This Special Issue aims to highlight the latest research on mobile and wearable solutions for cardiovascular monitoring. We invite original research, reviews, and case reports on sensor design, biosignal acquisition, AI-driven diagnostics, clinical validation, and integration into telemedicine and remote care platforms. Topics of interest include, but are not limited to, the following: smartwatch, patch, implantable, or smartphone-based monitoring; detection and prediction of atrial and ventricular arrhythmias; applications of ECG, photoplethysmography (PPG), and novel biosignals; machine learning algorithms in cardiac diagnostics; and data privacy, security, and regulatory challenges in digital health. We welcome contributions from clinicians, biomedical engineers, data scientists, and healthcare innovators focused on translating technology into clinical applications.

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### Guest Editor

Prof. Dr. Arash Arya

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### Deadline for manuscript submissions

30 September 2026



## Sensors

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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