

## Special Issue

# Intelligent Biosignal Sensing and AI-Driven Analysis for Healthcare (EEG, ECG, PPG, MEG, MRI)

### Message from the Guest Editors

Recent advances in biosignal sensing, artificial intelligence (AI), and embedded systems have transformed modern healthcare, enabling unprecedented progress in diagnostics, rehabilitation, and personalized medicine. This Special Issue seeks to showcase cutting-edge research on intelligent methods for biosignal acquisition, processing, and interpretation, with a focus on AI-driven techniques applied to EEG, ECG, PPG, MEG, and MRI data. We welcome high-quality contributions addressing novel sensing technologies, advanced signal/image processing, deep learning architectures, explainable AI (XAI), TinyML for edge computing, and FPGA-based embedded systems tailored for real-time biomedical applications. Topics of interest include wearable sensors, brain-computer interfaces (BCIs), cardiac monitoring, neuroimaging, and AI-powered diagnostic tools for neurological disorders.

### Guest Editors

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### Deadline for manuscript submissions

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## Sensors

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