# Special Issue

# Machine Learning Based Biomedical Signal Processing

## Message from the Guest Editors

Machine learning-based biomedical signal processing is reshaping healthcare at an unprecedented pace. Remarkable advancements have been achieved in addressing a range of practical challenges within healthcare domains, including digital health, telemedicine, mental health, assistive rehabilitation, chronic disease management, and human–computer interfaces. In addition, the seamless integration of biomedical signal processing harmoniously complements the ongoing research and innovation in wearable devices and the Internet of Things. Authors are encouraged to submit manuscripts for publication in (but not limited to) the following areas:

- Biomedical signal processing and modelling;
- Machine intelligence for diagnosis and predictive analysis;
- Medical imaging, modelling, and simulation;
- Multimodal learning for healthcare applications;
- Big data analytics for biomedical applications;
- Machine learning for telemedicine;
- Machine learning in mental health and psychology;
- Robotic systems and assistive rehabilitation;
- Wearable technologies for remote monitoring;
- Machine learning for human–machine interaction.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 November 2024)

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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