Special Issue

Machine Learning and Pattern Recognition for Biomedical Signals

Message from the Guest Editors

This Special Issue aims to collect recent research on promising and innovative technological and methodological applications of ML and PR to biomedical data, covering a wide range of subtopics. These include applications in a variety of health and pathological conditions, ranging from the early detection and prediction of diseases, more accurate diagnoses, continuous and real-time monitoring, and personalized treatments to prevention and decision support systems. Another field of interest is the integration of ML and PR approaches into wearable sensors, video analysis, and innovative technologies finalized to telemedicine solutions. Other key related challenges include data quality, the availability of large annotated datasets, and supporting model interpretability through explainable AI (XAI) techniques that could improve clinical acceptance and trust in predictive models applied to biomedical signals.

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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.

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