

## Special Issue

# Machine Learning Applications in Biomedical Engineering

### Message from the Guest Editors

Advancements in computational power have led to the development of machine learning (ML)-based models and techniques. Moreover, ML-based systems and algorithms have had a significant impact on the study of medical phenomena because they can be used to analyze biomedical signals, thereby improving diagnostic accuracy. Innovative applications that utilize linear and logistic regression, decision trees, support vector machines, k-means, KNN, random forests, and Bayesian algorithms, among other methods, require multidisciplinary approaches that combine the expertise of both engineering and medical professionals. The application of biomedical signal processing and analysis not only enhances the reliability of diagnostics, but also deepens our understanding of "human systems." In summary, modern machine learning-based devices contribute to improving quality of life.

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### Guest Editors

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### Deadline for manuscript submissions

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## Applied Sciences

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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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### Editor-in-Chief

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