



## Novel Approaches for Machine Learning in Healthcare Applications

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### **Message from the Guest Editor**

Conventional healthcare research often relies on limited predictors and unrealistic assumptions of constant variables. In contrast, emerging literature harnesses artificial intelligence (AI) to deliver valuable insights without such assumptions. AI, including generative models like BERT and GPT, offers improved predictor rankings and values, while reinforcement learning gains popularity. Reinforcement learning optimizes actions for cumulative rewards in response to environments, exemplified by AlphaGo's success. However, further exploration is required. This Special Issue invites original and review articles on innovative machine learning approaches for healthcare applications.

Keyword: machine learning; deep learning; artificial intelligence; healthcare applications





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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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