Special Issue

Novel Approaches for Machine Learning in Healthcare Applications

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

Guest Editor

Dr. Kwang-Sig Lee

Al Center, Korea University College of Medicine, 73 Inchon-Ro, Seongbook-Gu, Seoul 02841, Republic of Korea

Deadline for manuscript submissions

closed (20 February 2025)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/181168

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



About the Journal

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

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

