

Special Issue

Machine Learning and Artificial Intelligence Technologies for Data Science

Message from the Guest Editor

This Special Issue focuses on practical applications of Machine Learning and Artificial Intelligence within the field of Data Science. As data availability continues to grow, data-driven Machine Learning and Artificial Intelligence methods continue to advance in terms of applicability and efficacy.

This issue will highlight recent progress in these core areas, with an emphasis on contributions demonstrating practical value rather than purely theoretical developments. We welcome research showcasing novel algorithms, frameworks and tools that address real-world data challenges across multiple domains such as healthcare and marine technologies.

We welcome work involving time-series analysis, clustering, pattern recognition and large-scale data mining. Submissions incorporating deep learning, explainable Artificial Intelligence and generative models are also encouraged.

Keywords: Machine Learning; Artificial Intelligence; deep neural networks; time-series analysis; clustering; data mining; generative Artificial Intelligence; big data; predictive modelling

Guest Editor

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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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