

Special Issue

New Advances in Artificial Intelligence and Medical Data Science

Message from the Guest Editors

Artificial intelligence and medical data science is a dynamic and transformative field that leverages advanced computational techniques and algorithms to analyze and interpret vast quantities of medical data. Via the integration of AI with medical informatics, this discipline aims to revolutionize healthcare by providing enhanced diagnostic accuracy, personalized treatment plans, and improved patient outcomes. This Special Issue aims to explore recent research and developments regarding the application of AI in medical data science. It therefore welcomes the submission of papers that employ machine learning, deep learning, and large language models to extract meaningful insights from complex medical datasets, enabling more precise and efficient medical decision-making. The integration of AI into medical data science holds the potential to accelerate scientific discoveries, optimize clinical workflows, and deliver high-quality healthcare services to patients worldwide.

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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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