# Special Issue

# Intelligent Healthcare Systems: Empowered by Data Science and Artificial Intelligence

# Message from the Guest Editors

Deep Learning (DL) and Data Science are becoming the driving forces behind the transformation of modern healthcare. By enabling the analysis of massive clinical, imaging, and molecular datasets, these technologies are unlocking breakthroughs in diagnosis, prognosis, and therapy. From medical image interpretation and disease prediction to personalized medicine and hospital operations optimization, deep neural networks and advanced data analytics play a pivotal role in improving the effectiveness, accuracy, and accessibility of healthcare systems. This Special Issue aims to bring together the latest research and practical developments in integrating Deep Learning and Data Science into intelligent medical systems. We invite original research articles, reviews, and case studies that present innovative solutions, address real-world challenges, and provide insights into the benefits and limitations of DLand data-driven approaches in healthcare.

#### **Guest Editors**

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# Deadline for manuscript submissions

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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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