Special Issue

AI-Assisted Medical Diagnostics

Message from the Guest Editor

This Special Issue seeks to spotlight the transformative potential of artificial intelligence (AI) in the realm of medical diagnostics. We aim to showcase pioneering research at the intersection of AI-driven computational methods and clinical practice, emphasizing innovative solutions that advance diagnostic accuracy and healthcare delivery. The Issue will focus on how AI technologies (particularly machine learning and deep learning) can enhance medical diagnostics, support clinical decision-making, and improve patient outcomes. We invite submissions addressing a broad range of topics such as predictive diagnostics, medical image interpretation and classification, and data-driven personalized diagnosis, underscoring the critical role of AI in tackling complex diagnostic challenges. Suitable contributions include original research articles, comprehensive reviews, and real-world applications that demonstrate the impact and promise of AI-assisted diagnostics in modern medicine.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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