

Special Issue

Artificial Intelligence in Medical Image Processing and Disease Diagnosis

Message from the Guest Editors

The healthcare system is a dynamic and changing environment that continually faces new challenges with changing responsibilities and frequent interruptions for medical specialists. Applications of artificial intelligence (AI) offer benefits in terms of disease diagnostics. Due to its low cost, lack of infrastructure, equipment, and special needs, the AI-based medical diagnostic is so important. Additionally, AI-based medical diagnostics reduce diagnostic time and increase accuracy noticeably. Machine learning and deep learning AI techniques have a key role in enhancing new clinical systems, patient information and records, and the treatment of various ailments, among other health-related topics. The diagnosis of multiple diseases most effectively using AI approaches. This Special Issue aims to explore how artificial intelligence techniques provide a knowledge to contribute to both original research work and review articles. This Special Issue needs to address medical imaging areas with the successful application of AI in disease diagnostics with the latest research directions of machine learning, deep learning, federated learning, metaverse, and digital twins.

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