Special Issue

Advanced Artificial Intelligence Techniques for Disease Prediction, Diagnosis and Management

Message from the Guest Editor

Artificial intelligence has revolutionized healthcare by changing how diseases are diagnosed and managed. This technology is not only enhancing the precision of diagnoses but also enabling disease prediction and personalized treatment plans. Through accurate diagnosis and more personalized therapy, AI is significantly improving healthcare research and patient outcomes. The capacity of AI in healthcare to rapidly assess massive amounts of clinical data enables physicians to identify abnormalities and disease biomarkers that would otherwise be undetected. Recognizing and leveraging these transformative technologies to enhance patient care is crucial. As biomedical informatics continues to evolve, there is a growing need to integrate AI-driven approaches into healthcare.

This Special Issue invites submissions presenting solutions focusing on cutting-edge AI methodologies applied to various medical challenges. The issue will feature research on AI-driven disease prediction, diagnosis, and management, leveraging electronic health records, genomics, medical imaging, and wearable sensor data to inform clinical decision-making.

Guest Editor

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