

## 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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### Guest Editors

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### Deadline for manuscript submissions

closed (16 January 2024)



## Diagnostics

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## About the Journal

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You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

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