



## AI-Driven Intelligent Health Care Diagnostic Solutions: A Machine Learning Approach

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### Message from the Guest Editors

Dear Colleagues,

Several approaches have been proposed in recent decades to improve medical decision systems' robustness. The advent of AI-enabled healthcare data analysis may result in the accurate detection and prevention of diseases. Several machine learning and deep learning models have been proven to be responsive to medical image data to detect cancer and severe diseases promptly. This Special Issue's primary purpose is to cover the theoretical applications of several AI algorithms, i.e., machine learning, deep learning, and their advanced variants for medical image processing. We intend to present a rational platform for researchers and scientists in academia and engineers to present their most recent research results in medical image processing and disease diagnosis.

Topics of interest include, but are not limited to, the following:

- Convolutional neural networks;
- Deep learning;
- Medical image processing;
- Artificial intelligence for health care disease diagnostics;
- Machine learning;
- Health care data analytics;
- Optimization in medical image processing;
- Evolutionary computing.





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