

## Special Issue

# Artificial Intelligence in Alzheimer's Disease Diagnosis

### Message from the Guest Editor

Alzheimer's disease is a neurodegenerative disorder that affects memory and other cognitive functions. Therefore, the early detection and diagnosis of Alzheimer's disease are crucial for developing effective treatments and improving the quality of life for patients. The scope of artificial intelligence (AI) in diagnosing Alzheimer's disease is vast and promising because of its advancements in various areas, including learning, reasoning, and explainability. AI has demonstrated the ability to predict the likelihood of developing Alzheimer's disease. AI systems are promising in detecting early signs of this disease by analyzing patterns and anomalies in large data sets. Furthermore, AI can be used to track the progression of this disease by using the patient's cognitive function over time. The aim of this Special Issue is to consider novel AI research that has been developed, implemented, and evaluated to support the prediction, early detection, and progression of Alzheimer's disease over time, in accordance with the policy of the journal *Diagnostics*.

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### Guest Editor

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## Diagnostics

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### Editor-in-Chief

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