

## Special Issue

# Artificial Intelligence and Machine Learning for Neurodegenerative Disease

### Message from the Guest Editors

Alzheimer's disease is one of the world's largest public health problems, affecting an estimated 55 million people worldwide. Massive international research efforts have contributed to uncovering the molecular mechanisms underlying the onset and progression of Alzheimer's and developing therapeutic strategies for its treatment. Artificial intelligence and machine learning (AI/ML) have emerged as indispensable tools accelerating and improving AD prediction and diagnosis and drug discovery. However, the barriers to success for AI/ML include challenges with data readiness, data imputation, data reduction, machine learning algorithms' performance and efficiency, the discovery of new biomarkers (amyloid/tau/neurodegeneration (ATN), MRI, PET, metabolics, genome-wide association study, etc), multiomics data integration and classification, drug discovery, etc.

This Special Issue aims to bring together original research discussing and addressing these challenges in artificial intelligence and machine learning applications for Alzheimer's disease.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 October 2023)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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