Special Issue

Artificial Intelligence Technology in Neurodegenerative Diseases

Message from the Guest Editors

Artificial intelligence technology (AI), especially machine learning (ML), has emerged as an indispensable tool for accelerating and improving Alzheimer's disease (AD) prediction and diagnosis and drug discovery. This Special Issue aims to bring together original research discussing and addressing these challenges in artificial intelligence technologies and their applications in neurodegenerative diseases. We invite submissions across the entire spectrum of this field. Topics of interest include, but are not limited to, the following:

- Data readiness for AI/ML for AD;
- Missing data imputation, feature selection and hyperparameter tuning for AD;
- AI/ML algorithm development for AD;
- Amyloid/tau/neurodegeneration classification based on CSF biomarkers with AI/ML for AD;
- Multi-omics (proteomics, genomics, metabolics, imaging, environment, etc.) with AI/ML for AD;
- Drug discovery with AI/ML for AD.

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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.

Editor-in-Chief

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