

Special Issue

Sensors and Artificial Intelligence Technologies in Neurodegenerative Disease Diagnosis

Message from the Guest Editors

In recent years, research groups have focused on developing new early-diagnosis and monitoring strategies for neurodegenerative disease based on objective biomarkers. They have especially concentrated on alternative non-invasive techniques that are less expensive, safer, and more comfortable for patients than a lumbar puncture to remove cerebrospinal fluid or MRI with intravenous contrast. Artificial intelligence has demonstrated its ability to process large quantities of data for creating diagnosis algorithms, which are able to predict or detect these pathologies. These algorithms can be developed using raw data from different diagnosis devices and to improve their diagnostic capacity. This Special Issue focuses on the application of data-processing algorithms obtained from diagnostic sensor equipment applied to diagnosing and monitoring neurodegenerative diseases with the aim of helping in early detection. Potential topics include but are not limited to:

- artificial intelligence
- neurodegenerative disease
- Alzheimer disease
- Parkinson disease
- multiple sclerosis
- biomarker
- algorithm
- sensing

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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