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Sensors and Artificial Intelligence Technologies in Neurodegenerative Disease Diagnosis

Guest Editors:

Dr. Sofia Zaira Otin Mallada

Dr. Sergio G Rodrigo

Dr. Jorge Ares

Deadline for manuscript submissions:
20 November 2024

Message from the Guest Editors

Dear Colleagues,

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

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Special Issue

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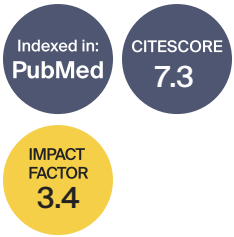

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/sensors
sensors@mdpi.com
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