

## Special Issue

# Artificial Intelligence (AI) in Neuroscience

### Message from the Guest Editors

Artificial intelligence (AI) is a state-of-the-art computational tool employed to analyze big data in fundamental and applied science. Recently, it has gained popularity in neuroscience due to its ability to recognize hidden patterns and nonlinear relations in large amounts of nonstationary and ambiguous neuroimaging data. Researchers and engineers are increasingly using machine learning approaches to gain new insights into brain behavior and for neurotechnology applications, including neural interfaces and memristive systems. AI-based methods are of particular importance in the medical diagnosis of neurological diseases, where machine learning is a powerful tool for the early detection of biomarkers of various neurological disorders. This Special Issue aims to attract high-quality research studies and reviews from scholars, professors, researchers and engineers that advance the application of artificial intelligence concepts in neuroscience and neurological disease diagnostic systems.

### Guest Editors

Prof. Dr. Alexander E. Hramov

Prof. Dr. Alexander N. Pisarchik

Prof. Dr. Victor B. Kazantsev

### Deadline for manuscript submissions

closed (30 September 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

Prof. Dr. Giulio Nicola Cerullo  
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