

Special Issue

Advanced Technologies and Applications of Brain Sciences

Message from the Guest Editor

We aim to bridge the gap between cutting-edge technology, brain sciences, clinical neurology, psychiatry, and neurorehabilitation. With advanced technologies, we can diagnose and improve activities in the brain network. We can also use virtual reality and haptic devices, as well as facilitate neurorehabilitation. This interdisciplinary Special Issue will focus on original research articles and reviews, advancing our understanding of the neurophysiology of brain networks and pathological processes of neurological and psychiatric disorders. The articles will cover the consequences of neurodegenerative disorders such as Alzheimer's and Parkinson's disease, stroke, neurotrauma, depression, and schizophrenia. We encourage submissions related to both healthy populations and patients, with a focus on areas such as electroencephalography (EEG), transcranial magnetic stimulation (TMS), haptic devices, virtual reality (VR), deep brain stimulation (DBS), and computer–brain interfaces. We also welcome works related to the software used for analysis and device support.

Guest Editor

Dr. Martin Rakuša

Division of Neurology, University Medical Centre Maribor, 2000 Maribor, Slovenia

Deadline for manuscript submissions

closed (20 February 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/178356

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)