

## Special Issue

# Innovations in Brain-Computer Interfaces: From Healthcare to Entertainment

### Message from the Guest Editors

The primary aim of this Special Issue is to gather high-quality original research articles, reviews, and case studies that demonstrate the diverse applications and advancements of BCIs. We seek contributions that explore the full spectrum of BCI technology, including:

**Clinical Applications:** Research on the use of BCIs in neurorehabilitation, assistive technologies for individuals with disabilities, mental health interventions, and other healthcare applications. This includes studies on improving patient outcomes, innovative therapeutic approaches, and clinical trials.

**Consumer Applications:** The exploration of BCIs in gaming, virtual reality, augmented reality, and other interactive media. This section will cover user experience studies, technological innovations, and market trends in consumer BCI products.

**Technological Advancements:** papers focusing on the development of new BCI hardware and software, including signal processing techniques, machine learning algorithms, and user interface design.

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### Guest Editors

Dr. Athanasios Koutras

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### Deadline for manuscript submissions

closed (31 August 2025)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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