Special Issue

Electroencephalography 3.0: From the Laboratory to the Mass-Market for a Daily-Life Use

Message from the Guest Editors

Electroencephalography (EEG) is a well-established neuroimaging tool to record brain electrophysiological activity. Developed almost one century ago, it has been employed as the main non-invasive tool for investigating brain activity with regard to clinical pathologies, such as epilepsy, post-stroke injuries, sleep disorders and brain damages. Besides the mere medical purposes, EEG has been also one of the main research tools within the neuroscientific field, where brain activity is investigated in relation to human behavior. During the last decade the EEG is living its "third revolution": new wearable EEG devices have been developed to be employed outside the traditional research laboratories.The aim of the present special issue is to collect up to date research and works on new and innovative technologies and methods for EEG-based applications with healthy people and/or patients, with a specific focus on challenges and concerns related to "out-of-the-lab" context. We are inviting original research work that can potentially lead to significant advances in EEG research for a daily-life deployment.

Guest Editors

Dr. Gianluca Di Flumeri

Department of Molecular Medicine, Sapienza University of Rome, 00185 Rome, Italy

Dr. Shaibal Barua

Artificial Intelligence and Intelligent Systems Group, Mälardalens högskola, Vasteras, Sweden

Deadline for manuscript submissions

closed (25 August 2023)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.8
Indexed in PubMed

mdpi.com/si/122065

Brain Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.8
Indexed in PubMed

mdpi.com/journal/brainsci

MDPI

About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.