

Special Issue

Application of Transcranial Electrical Stimulation (tES) for Improving Neurocognitive and Motor Deficits

Message from the Guest Editors

Transcranial electrical stimulation (tES) has been exponentially applied in recent years, especially in human research. In addition to the physiological effects of tES techniques on the human brain, which is well documented, there are also potential opportunities for improving behavior and cognition. The current findings in this respect have been promising in some fields; however, they have been inconsistent as well. Moreover, the application of some novel techniques (e.g., tACS, tRNS) for the improvement of behavior and cognition is yet to be investigated. Accordingly, there is still a need for more high-quality research in this field. This special issue covers recent findings on the application of transcranial electrical stimulation (tES), including tDCS, tACS, tRNS, for improving cognition in healthy individuals, as well as neurorehabilitation purposes in clinical populations. Topics related to the variability of therapeutic response to tES are of special interest in this issue.

Guest Editors

Dr. Mohammed Ali Salehinejad

Department of Psychology and Neurosciences, Leibniz Research Institute for Working Environment and Human Factors, 44139 Dortmund, Germany

Prof. Dr. Carmelo M. Vicario

Cognitive Neuroscience Laboratory, Department of Cognitive Science, University of Messina, 98122 Messina, Italy

Deadline for manuscript submissions

closed (30 November 2022)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/93065

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

mdpi.com/journal/

[brainsci](https://brainsci.mdpi.com)





Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



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



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, PSYINDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

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.