Special Issue

Emerging Trends of Biomedical Signal Processing in Intelligent Emotion Recognition

Message from the Guest Editor

This Special Issue will focus on emerging biomedical signal processing and advanced machine learning in emotion recognition. A broad range of topics including but not limited to:

- Application of EEG, ECG, speech, and other biosignals in emotional state detection.
- Signal pre-processing, feature extraction/engineering, feature reduction/selection, and channel selection approaches in affective computing applications.
- Application of Artificial Intelligence (AI) and advanced AI methods in emotion recognition.
- Machine learning methods/advanced machine learning/deep learning algorithms in emotion recognition applications.
- Fusion algorithms (data-, feature-, or decision level) in emotion recognition applications.
- Wearable devices for affective computing applications utilizing biosignals.
- Applications of such a system in affect-related disorders such as stress, anxiety, phobia, pain, attention deficit hyperactivity disorder (ADHD), autism spectrum disorder (ASD), bipolar disorder, etc.
- Human–machine interface (HCI) and brain–computer interface (BCI)-based affective computing systems.
- Assistive devices based on emotion recognition.

Guest Editor

Dr. Ateke Goshvarpour

Department of Biomedical Engineering, Imam Reza International University, Mashhad, Razavi Khorasan, Iran

Deadline for manuscript submissions

closed (1 February 2024)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/154840

Brain Sciences
Editorial Office
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 2.8
CiteScore 6.0
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 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second 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.