



an Open Access Journal by MDPI

Advanced Machine Learning Algorithms for Biomedical Data and Imaging

Guest Editor:

Dr. Mohammad Tanveer

Department of Mathematics, Indian Institute of Technology Indore, Simrol, Indore, India

Deadline for manuscript submissions: closed (25 August 2023)

Message from the Guest Editor

Deep learning is one of the most important revolutions in the field of artificial intelligence over the last decade. It has achieved great success in different tasks in computer vision, image processing, biomedical analysis and related fields. Researchers in deep and shallow machine learning, including those working in computer vision, image processing, biomedical analysis and related fields, when working with experienced clinicians, can play a significant role in the understanding of and work on complex medical data, which ultimately improves patient care. Developing a novel deep or shallow machine learning algorithm specific to medical data is a main challenge and need at present.

This Special Issue aims to bring together the current research progress from both academia and industry on novel machine learning methods. Special attention will be devoted to handling feature selection, class imbalances, and data fusion in biomedical and machine learning applications. This will attract medical experts who have access to interesting sources of data but lack the expertise in the effective use of machine learning techniques.



mdpi.com/si/156887







an Open Access Journal by MDPI

Editor-in-Chief

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

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.

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), PubMed, PMC, Embase, PSYNDEX, 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 2.5 days (median values for papers published in this journal in the second half of 2023).

Contact Us

Brain Sciences Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/brainsci brainsci@mdpi.com X@BrainSci_MDPI