Special Issue

Recent Trends in Artificial Learning and Data Processing for Biomedical Engineering

Message from the Guest Editors

This Special Issue aims to solicit original research papers focusing on novel solutions to challenging problems in biomedical engineering using artificial learning and advanced data processing algorithms and methods. We are inviting original research works covering novel theories, innovative methods, and meaningful applications that can potentially lead to significant advances in the biomedical engineering field. The main topics of interest include but are not limited to:

- Biomedical signal processing;
- Medical and biological imaging;
- Pattern recognition algorithms and methods;
- Artificial learning algorithms and methods;
- Applications of artificial intelligence in biomedical engineering;
- Healthcare applications;
- Healthcare Internet of Things;
- Decision support systems in biomedical engineering;
- Rehabilitation engineering;
- Biological engineering;
- Biomedical sensors and devices;
- Biomedical wearable technology;
- Related applications.

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Deadline for manuscript submissions

closed (15 April 2025)

About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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