

Special Issue

Applications of Deep Learning and Machine Learning in Medicine and Biology

Message from the Guest Editors

We are pleased to invite submissions exploring recent research in the field of deep learning and machine learning applications in medicine and biology to this Special Issue. The issue seeks the latest cutting-edge research, case studies, and reviews in medical and biological contexts. We are particularly interested in papers that explore novel methodologies and applications, the integration of AI in clinical workflows, and the clinical impact of ML/DL-based systems.

- artificial intelligence
- machine learning
- deep learning
- medical imaging
- medical AI applications
- healthcare AI
- biomedical informatics

Guest Editors

Prof. Dr. Byung-Gyu Kim

Department of IT Engineering, Sookmyung Women's University, Seoul 04310, Republic of Korea

Dr. Ediz Polat

School of Electrical Engineering and Computer Sciences, University of North Dakota, Grand Forks, North Dakota, ND 58202, USA

Deadline for manuscript submissions

20 June 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/224427

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

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)