

Special Issue

Application of Machine Learning and Deep Learning Methods in Science

Message from the Guest Editors

The fields of machine learning (ML) and deep learning (DL) are rapidly developing, with new methods and technologies appearing daily. The actual problem is the effective application of these methods to address diverse challenges arising within human activities. The goal of this Special Issue is to collect and demonstrate practical examples of applying ML/DL methods to solve various scientific problems that provide significant benefits. By collecting such examples, we aim to define and extend the scope and understanding of ML/DL methods. To this end, we invite submissions in any form, including articles, reviews, notes, etc.

Guest Editors

Dr. Alexander Ayriyan
Prof. Dr. Vladimir Korenkov
Prof. Dr. Gennady Ososkov

Deadline for manuscript submissions

closed (30 June 2024)



AppliedMath

an Open Access Journal
by MDPI

Impact Factor 0.7
CiteScore 1.1



mdpi.com/si/178061

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

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





AppliedMath

an Open Access Journal
by MDPI

Impact Factor 0.7
CiteScore 1.1



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



About the Journal

Message from the Editor-in-Chief

Mathematics permeates all kinds of academic worlds and is a fountain flowing with innovative development. The journal *AppliedMath*, publishing high-quality refereed papers discussing various aspects of applied mathematics, is dedicated to promoting the integration of mathematics with applied disciplines to cultivate a profitable frontier of mathematics. The journal highlights articles devoted to the mathematical treatment of questions and phenomena arising in physics, chemistry, biology, medicine, pharmacy, engineering, information science, social sciences, and humanities. One of the missions of this journal is to serve scientists by quickly announcing the seeds of significant mathematical breakthroughs in science and technology.

Editor-in-Chief

Prof. Dr. Takayuki Hibi

Department of Pure and Applied Mathematics, Graduate School of Information Science and Technology, Osaka University, 1-5 Yamadaoka, Suita 565-0871, Osaka, Japan

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 8.6 days (median values for papers published in this journal in the second half of 2025).