

Special Issue

Sustainable Applications for Machine Learning

Message from the Guest Editors

This Special Issue aims to collate the latest findings on the challenges and state-of-the-art solutions in the sustainability of ML as well as its applications. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Dependability of machine learning models;
- Acceleration of deep neural networks;
- Privacy-preserving aspects of machine learning;
- Reliability assessment of deep learning systems;
- Multi-agent systems in reinforcement learning;
- Privacy concerns in federated learning approaches;
- Artificial neural network applications in a circular economy;
- Sustainability of natural language processing models;
- Optimization in machine learning;
- Recommender systems;
- Graph neural network analysis;
- Reliability in ensemble learning;
- Security aspects of generative models;
- Ethical issues with AI/ML;
- Machine learning applications in healthcare;
- Computer vision applications in smart cities;
- Machine learning for business continuity;
- Machine learning for sustainable supply chains;
- The role of ML/DL in Industry 4.0.

We look forward to receiving your contributions.

Guest Editors

Dr. Danial Javaheri

Prof. Dr. Hassan Chizari

Prof. Dr. Amir Masoud Rahmani

Deadline for manuscript submissions

closed (2 July 2025)



Machine Learning and Knowledge Extraction

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 9.9



mdpi.com/si/184030

*Machine Learning and
Knowledge Extraction*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
make@mdpi.com

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





Machine Learning and Knowledge Extraction

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 9.9



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Andreas Holzinger

1. Human-Centered AI Laboratory, Institute of Forest Engineering,
Department of Forest and Soil Sciences, University of Natural
Resources and Life Sciences, 1190 Vienna, Austria

2. xAI Laboratory, Alberta Machine Intelligence Institute, University of
Alberta, Edmonton, AB T5J 3B1, Canada

Author Benefits

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 25.5 days after
submission; acceptance to publication is undertaken in 3.4
days (median values for papers published in this journal in
the first half of 2025).

Journal Rank:

JCR - Q1 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Engineering (miscellaneous))