

Special Issue

Recent Advances and Applications of Machine Learning in Pattern Recognition

Message from the Guest Editors

In recent years, pattern recognition has undergone remarkable development, driven above all by the use of machine learning techniques. These algorithms have been applied to various areas, such as medical image analysis, visual recognition, biometrics, remote sensing, communication, and even computer vision in autonomous vehicles, enabling the development of pattern recognition systems that have greater precision and efficiency. Recent approaches allow for the processing and analysis of large volumes of data and also promote the finding of innovative solutions to complex problems. In this Special Issue, we invite researchers, academics, and practitioners to submit original research articles, reviews, and case studies that explore the recent advances in and applications of machine learning in pattern recognition.

Guest Editors

Dr. Verónica Vasconcelos

Coimbra Institute of Engineering, Polytechnic University of Coimbra, 3045-093 Coimbra, Portugal

Dr. Maryam Abbasi

Applied Research Institute, Polytechnic of Coimbra, 3045-093 Coimbra, Portugal

Deadline for manuscript submissions

15 June 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/223027

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).