Special Issue

Data Analysis and Data Mining for Knowledge Discovery

Message from the Guest Editors

As data continues to be a vital asset across industries, the ability to analyze and derive actionable insights from vast amounts of data is paramount. This Special Issue will cover a broad range of topics, including advanced data mining algorithms, big data analytics, machine learning, data visualization, text and web mining, real-world applications, and data privacy and security. This Special Issue seeks to gather high-quality, original research articles and reviews that contribute to the development of novel data analysis and data mining approaches, addressing current challenges and highlighting future directions. The scope of the Special Issue includes, but is not limited to, the following:

- Advanced data mining algorithms
- Big data analytics
- Machine learning and artificial intelligence
- Data visualization
- Text and web mining
- Applications of data mining
- Data privacy and security
- Emerging technologies

Keywords: data mining; big data analytics; machine learning; artificial intelligence; data visualization; text mining; data privacy; data security; emerging technologies; predictive analytics; cloud computing; internet of things; edge computing

Guest Editors

Dr. Nadia Nedjah
Department of Electronics Engineering and Telecommunications, Faculty of Engineering, State University of Rio de Janeiro, Rio de Janeiro 20550-013, Brazil

Prof. Dr. Luiza de Macedo Mourelle
Department of Systems Engineering and Computation, State University of Rio de Janeiro, Rio de Janeiro 205513, Brazil

Deadline for manuscript submissions

20 February 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

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, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)