Special Issue

Neural Network Technologies in Natural Language Processing and Data Mining

Message from the Guest Editors

This Special Issue of *Applied Sciences* covers all application areas of neural network technologies in the fields of natural language processing (NLP) and data mining. It aims to show how neural network technologies have addressed long-standing challenges in these areas, as well as how they give rise to new challenges. Both original research articles and comprehensive review articles are welcome. Topics of interest in this Special Issue include various applications of neural networks such as:

- Topic modeling;
- Text classification;
- Automatic language translation;
- Text generation;
- Profiling;
- Language understanding;
- Named entity recognition;
- Information extraction;
- Social media analysis;
- Pattern recognition;
- Classification;
- Regression;
- Anomaly detection;
- Association rule extraction;
- Feature extraction;
- Dealing with imbalanced and biased data sets;

Guest Editors

Prof. Dr. Marija Brkić Bakarić

Department of Informatics, University of Rijeka, Radmile Matejčić 2, 51000 Rijeka, Croatia

Prof. Dr. Maja Matetic

Faculty of Informatics and Digital Technologies, University of Rijeka, 51000 Rijeka, Croatia

Deadline for manuscript submissions

20 November 2025

Applied Sciences

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)

MDPI