



Recent Applications of Machine Learning in Natural Language Processing (NLP)

Guest Editors:

Prof. Dr. Carlos A. Iglesias

Higher Technical School of Telecommunications Engineering (ETSI de Telecomunicación), Department of Telematics Systems Engineering, Polytechnic University of Madrid, Madrid, Spain

Dr. Jinyi Zhang

1. Faculty of Engineering, Gifu University, Gifu, Japan
2. School of Information Science and Engineering, Shenyang Ligong University, Shenyang, China

Deadline for manuscript submissions:

closed (10 February 2025)

Message from the Guest Editors

The vibrant era of digital information has experienced a paradigm shift with the integration of machine learning in the domain of Natural Language Processing (NLP). The surge in data-driven decision making and human-like interface applications underscores the prominence and ubiquity of these technologies. This Special Issue seeks to delve deep into the recent applications of machine learning within the realm of NLP, elucidating its transformative potential in reshaping the human-computer interaction paradigm.

Relevant areas of exploration within this amalgamation of machine learning and NLP include, but are not restricted to:

- Sentiment Analysis;
- Voice Analysis and Processing;
- Entity Recognition;
- Syntax Analysis;
- Machine Translation and Summarization;
- Large Language Models;
- Question Answering;
- Chatbots and Conversational Agents;
- Image Semantic Segmentation.

In the spirit of knowledge dissemination and fostering innovation, this Special Issue aims to amass high-quality, original research papers that elucidate the recent applications, challenges, and future prospects of machine learning in NLP.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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, Embase, CAPlus / SciFinder, and other databases.

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)