

## Special Issue

# Machine Learning Approaches in Natural Language Processing

### Message from the Guest Editors

Natural language processing (NLP) has seen significant advancements driven by machine learning (ML). From traditional models to deep learning architectures, breakthroughs in text classification, sentiment analysis, machine translation, and conversational AI have transformed AI's capabilities. Transformer-based models like BERT and GPT have revolutionized how we analyze, classify, and generate natural language. This Special Issue focuses on impactful ML approaches for NLP, promoting efficient, scalable, and explainable solutions to address both established and emerging challenges. We invite high-quality research articles, case studies, and technical reviews exploring innovative algorithms, methodologies, and applications of ML in NLP. We encourage submissions from academia, industry, and cross-disciplinary collaborations to address both theoretical and practical aspects of ML for NLP. This Special Issue aims to foster discussions on the next generation of intelligent language systems, driving more accurate, fair, and inclusive AI-driven language technologies.

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### Guest Editors

Prof. Dr. Alberto Gil Solla

Prof. Dr. Yolanda Blanco Fernández

Prof. Dr. José Carlos López Ardao

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### Deadline for manuscript submissions

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## Applied Sciences

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### 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.

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### Editor-in-Chief

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