

## Special Issue

# Advances in Machine and Deep Learning

### Message from the Guest Editors

This Special Issue aims to foster the development of ML and DL methodologies, promote their practical implementation, and address ongoing challenges in various fields.

- Simplifying parameter complexity in DL models.
- Develop transparent methods to clarify hidden components and validate model outputs.
- Introducing adaptive evolution and model refinement through weight adjustments and structural pruning.
- Exploring innovative ML and DL techniques and integrating them with established architectures.
- Advancing soft computing and AI environments using DL, expanding applications across big data, IoT, social media mining, and web applications.
- Advancements in NLP algorithms for text classification, sentiment analysis, and machine translation.
- Integrating DL techniques with NLP for enhanced language understanding and generation.
- Ethical considerations in NLP, including bias mitigation and fairness in language processing models.
- Applications of NLP in healthcare, finance, customer service, and other domains.
- Innovations in multilingual NLP models and cross-lingual transfer learning.
- Applications and issues regarding LLM.

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### Guest Editors

Prof. Dr. Cristian Randieri

Dr. Riccardo Pecori

Dr. Giuseppe Tradigo

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### Deadline for manuscript submissions

31 July 2025



## Machine Learning and Knowledge Extraction

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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##### Rapid Publication:

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