

## Special Issue

# Integrated Artificial Intelligence in Data Science

### Message from the Guest Editors

Artificial Intelligence (AI) is an emerging research topic since it can be used to solve high-complexity problems and find optimized solutions in many applications and domains. Thus, it has the potential to create a better society. Data science, also referred to as pattern analytics and mining, can be used to retrieve useful and meaningful information from databases, which helps to efficiently make decisions and build strategies in different domains. In particular, as a result of the exponential growth of data in recent years, the dual concept of big data and AI has given rise to many research topics. Topics of interest include, but are not restricted to, the following areas:

- Data analytics using AI techniques;
- Evolutionary computation in big datasets;
- Data-driven AI systems;
- Machine learning algorithms;
- Fuzzy modeling and uncertain systems;
- Data reduction techniques;
- Deep-learning algorithms in big datasets;
- Information granularity in high-dimensional data;
- Pattern mining by machine learning and optimization techniques;
- Neural network data analytics and prediction;
- AI-based applications in data science.

---

### Guest Editors

Prof. Dr. Jerry Chun-Wei Lin  
Dr. Stefania Tomasiello  
Prof. Dr. Gautam Srivastava

---

### Deadline for manuscript submissions

closed (20 April 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/65975](https://mdpi.com/si/65975)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://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 )