

## Special Issue

# State-of-the-Art of Intelligent Decision Support Systems

### Message from the Guest Editors

In the era of digital transformation, the confluence of advanced technologies has revolutionized the landscape of decision-making. The integration of artificial intelligence with Decision Support Systems (DSS) has given rise to Intelligent Decision Support Systems (IDSS) that are pivotal in navigating intricate, evolving, and ambiguous situations. These systems harness the power of sophisticated algorithms, including machine learning, robust classification, and role-based collaboration, to empower stakeholders with informed decision-making capabilities. The sophistication of neural networks and natural language processing techniques within IDSS has illuminated previously opaque data interdependencies, thereby enhancing the precision of decision-making outputs across industries such as healthcare, finance, and autonomous systems. In light of these developments, we are pleased to announce the call for papers for this Special Issue which is dedicated to showcasing the forefront of research and practice in IDSS. Our focus is to delineate the breakthroughs in adaptive and intelligent decision-making, emphasizing the synergy between these advanced technologies and their applications.

---

### Guest Editors

Dr. Libo Zhang

School of Artificial Intelligence, Southwest University, Chongqing 400715, China

Prof. Dr. Grigorios Beligiannis

Department of Business Administration of Food and Agricultural Enterprises, University of Patras, 30100 Agrinio, Greece

---

### Deadline for manuscript submissions

20 August 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/237706](https://mdpi.com/si/237706)

*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/appls](https://mdpi.com/journal/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 )