

## Special Issue

# Deep Learning in Supply Chain and Logistics

### Message from the Guest Editors

The successful management of logistics and supply chain systems requires making optimal decisions relating to the flow of information, products, and funds. Current supply chain and logistics systems have become more reliant on modern technologies, information, and ERP systems, allowing them to collect a huge amount of data about the different integrated processes in supply chains. The collected data can be utilized to improve decision-making. This Special Issue aims to collect high-quality and original research papers that address the applications of deep learning, including not limited the following research areas:

- Supply Chain 4.0
- Logistics 4.0
- Smart supply chain management
- Supply chain analytics, modeling, simulation and optimization
- Intelligent logistics and supply chain systems
- Blockchain for supply chain
- Applications of neural networks
- Hybrid deep learning approaches

---

### Guest Editors

Dr. Ahmed Shaban

Dr. Giulio Di Gravio

Prof. Dr. Francesco Costantino

Dr. Riccardo Patriarca

---

### Deadline for manuscript submissions

closed (20 July 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/162501](https://mdpi.com/si/162501)

*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 )