



## Mathematical Models for Supply Chain Management

Guest Editors:

**Prof. Dr. Chih-Te Yang**

Department of Business  
Administration, Tamkang  
University, New Taipei City 251,  
Taiwan

**Prof. Dr. Kun-Shan Wu**

Department of Business  
Administration, Tamkang  
University, Taipei 251301, Taiwan

Deadline for manuscript  
submissions:

**31 August 2024**

### Message from the Guest Editors

Dear Colleagues,

The current Special Issue is devoted to the mathematical models for supply chain management, which involves viable practices of the overall supply chain operation and aims to develop actions that make the supply chain more effective and efficient. All kinds of supply chains can be optimized using mathematical tools, approaches, and modeling. This Special Issue seeks high-quality works focusing on state-of-the-art/potential tools and approaches in enabling the development of supply chain management. Novel applications from all fronts of sustainable supply chain management will also be considered. Topics include but are not limited to the following:

- Demand forecasting and management;
- Inventory management;
- Vendor-managed inventory;
- Supply chain integration;
- Modeling for transportation and logistics;
- Reverse logistics and circular economy;
- Sustainable supply chain management;
- Green supply chain management;
- Supply chain performance measure.





## Editor-in-Chief

### **Prof. Dr. Francisco Chiclana**

School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

## 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), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](https://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)