

Special Issue

Applied Mathematics in Supply Chain and Logistics

Message from the Guest Editor

The function of supply chain management is to design and manage the processes, assets, and flows of material and information required to satisfy customers' demands. The globalization of the economy and electronic commerce has heightened the strategic importance of supply chain management. E-logistics has created new distribution channels for consumers. The last decade has seen rapid growth in business models built around digital platforms that bring together buyers and sellers to interact and trade in new and innovative ways. These business models, referred to as the sharing economy, on-demand economy, and platform economy, bring new challenges to supply chain management and logistics. Rapid advances and complexity in digital technology, such as big data, cloud computing, blockchain, and artificial intelligence (AI), as well as the growing uncertainty in the global business environment, have had a profound impact on the development of supply chain management and logistics.

Guest Editor

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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.

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