Special Issue

Supply Chain Management and Mathematical Logistics

Message from the Guest Editors

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 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. The COVID-19 pandemic has profoundly affected the stability of global logistics and supply chains. Rapid advances and complexity in digital technology such as big data, cloud computing, blockchain, and artificial intelligence (AI), and the growing uncertainty in the global business environment, have had a profound impact on the development of supply chain management and logistics. The global economy and advanced digital technologies have also generated unprecedented opportunities for innovative methodologies and technologies for designing, operating, and managing supply chains and logistics.

Guest Editors

Prof. Dr. Chunqiao Tan

School of Business, Nanjing Audit University, Nanjing 211815, China

Prof. Dr. Xiongwei Zhou

School of Business, Central South University, Yuelu District, Changsha 410083, China

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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