

Special Issue

Mathematical Modeling for Digital and Intelligent Supply Chains

Message from the Guest Editors

Modern supply chain management (SCM) is undergoing a profound transformation, driven by increasing demands for resilience, sustainability, adaptability, and digital intelligence. Against this backdrop, this Special Issue aims to provide a high-level forum for the dissemination of original research on advanced mathematical frameworks, analytical models, and computational methodologies for contemporary supply chain systems. It focuses on the role of mathematical modeling as a rigorous and unifying language for understanding, designing, and improving supply chain systems in the era of digitalization and industrial transformation. We particularly welcome studies that incorporate emerging technological elements into supply chain planning, coordination, optimization, and control. Contributions may address a broad range of supply chain system problems. We are especially interested in research that combines first-principles mathematical modeling with modern data-centric and AI-enabled approaches to support decision-making in increasingly complex and interconnected supply chain environments.

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About the Journal

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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