

Special Issue

Advanced Computational Modeling and Optimization in Operations Research and Supply Chain Management

Message from the Guest Editor

Advances in optimization techniques and computational models are essential tools for addressing complex problems in the production of goods and services, logistics, and supply chains. However, the design and control of these systems continue to present significant challenges for decision-makers, organizations, and industries. Computational modeling and optimization are fundamental components of modern practices in engineering and industry. Despite progress in computational methods and optimization approaches in recent decades, many relevant problems remain unresolved. Therefore, it is crucial to integrate the latest trends in modeling and optimization with practical applications that drive both academic advancement and professional impact. This Special Issue aims to gather cutting-edge research addressing the application of advanced computational models and optimization techniques to solve complex problems in production, logistics, and supply chains. Topics of interest include the following: optimization; mathematical modeling; operations research; operations management; logistics; computation; supply chain management; artificial intelligence.

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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