Special Issue

Mathematics Applied to Manufacturing and Logistics Systems

Message from the Guest Editors

This industry and the logistical operations surrounding this sector are of vital importance for the world's economy, where competitiveness is fierce and the fight for the survival of companies hinges on innovation in terms of products and processes, as well as companies remaining at the forefront of products sought out by the market and at prices the market is willing to pay. Studies focusing on optimizing processes and operations have received particular attention from researchers as there is a pronounced lack of new solutions emerging from the industry. Mathematics plays a crucial role in this aspect, as optimization has always involved, and will certainly continue to involve, increasingly evolving mathematical models seeking to present new solutions to the industry. This Special Issue aims to gather together highly innovative contributions in the area of mathematical modeling that responds in both more generic and more targeted ways to concrete challenges faced by the industry in its operations, which demonstrably represent added value in terms of global knowledge.

Guest Editors

Dr. Francisco J. G. Silva

Dr. Luís Pinto Ferreira

Dr. Isabel Cristina Mendes Pinto

Deadline for manuscript submissions

25 December 2025

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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