

Special Issue

Mathematical Modeling and Simulation in Intelligent Manufacturing

Message from the Guest Editor

Intelligent manufacturing includes the design, functional analysis, process simulation, smart manufacturing, and quality test of complex products. With the rapid development of artificial intelligence, a series of machine learning technologies have become the key to provide better solutions for traditional manufacturing process. This Special Issue focuses on mathematical modeling and simulation in intelligent manufacturing. Original innovations in mathematical theories or methods and novel applications of machine learning methods in intelligent manufacturing are both welcome in this Special Issue. Papers with practical applications are particularly preferred.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2025)



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).