

Special Issue

Mathematical Models and Methods of Scheduling Theory, 2nd Edition

Message from the Guest Editor

Dear colleagues,

This Special Issue strives to publish original papers on mathematical models of scheduling theory, describing new methods for overcoming current problems and weaknesses. Submitted studies should present mathematical exact or approximate solutions to core problems or introduce and analyze efficient heuristics. For example, they may focus on some new trends in deterministic scheduling and the related combinatorial problems, probabilistic scheduling models, the complexity of scheduling in practice and optimization, system design, and implementation. The research field is vast; thus, papers can address network problems, machine sequencing problems and techniques, flow shop scheduling problems under different objectives and constraints, and the job shop scheduling problem. This Special Issue aims to exhibit innovative articles reflecting the latest developments and findings of mathematical models and methods of scheduling theory. As such, we are eager to display pioneering and original techniques and approaches to improve current practices.

Guest Editor

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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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Prof. Dr. Francisco Chiclana

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).