Special Issue

Advanced Optimization Modeling and Algorithms for Planning and Scheduling

Message from the Guest Editor

We are pleased to announce this Special Issue of the journal *Mathematics*. With the growing complexity of systems in industries, such as manufacturing, logistics, healthcare, and energy, robust mathematical approaches and innovative algorithms are essential for achieving efficient and effective solutions. We welcome submissions addressing the advancements in optimization, algorithm design, and practical implementations that contribute to the field's body of knowledge. Topics may include, but are not limited to, integer and linear programming, combinatorial optimization, stochastic and robust optimization, machine learning approaches for optimization, and multi-objective scheduling. We especially encourage research that demonstrates the integration of mathematical rigor with computational efficiency in computing environments encompassing cloud, edge, fog, and multi-access edge computing.

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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