

Special Issue

Optimization Problems: Methods and Applications

Message from the Guest Editor

Optimization problems have been widely used in many fields of science and engineering, driving innovation and efficiency. With the development of machine learning (ML) and artificial intelligence (AI) techniques, many new optimization methods and applications have emerged. This Special Issue, "Optimization Problems: Methods and Applications", aims to introduce the latest breakthroughs in optimization methods and applications. We encourage the submission of papers that introduce ML/AI methods or provide new insights into solving optimization problems. Topics of interest in this Special Issue include, but are not limited to, continuous optimization, combinatorial optimization, stochastic optimization, robust optimization, sparse optimization, manifold optimization, evolutionary optimization, machine learning, data science, artificial intelligence, and neural network methods and their applications.

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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