

Special Issue

Group Decision-Making Optimization and Application

Message from the Guest Editors

This Special Issue will delve into the latest advancements in optimization techniques, game theory, multi-criteria decision analysis, and computational intelligence that facilitate effective group decision making. We aim to highlight innovative mathematical frameworks and algorithms that address challenges such as preference aggregation, conflict resolution, consensus building, and collaborative decision making under uncertainty. Topics of interest include, but are not limited to, the development of novel optimization models for group decision making, the application of game-theoretic approaches to resolve group conflicts, the use of machine learning and artificial intelligence to enhance decision-making processes, and case studies demonstrating practical applications in fields such as business, healthcare, public policy, and engineering.

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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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