

Special Issue

Swarm Intelligence and Optimization: Algorithms and Applications

Message from the Guest Editor

Recent advances in computational intelligence (CI) have dramatically transformed the way we tackle challenges involving uncertainty, complex dynamics, and large-scale data. This Special Issue seeks to showcase the latest progress in CI techniques, including large-scale optimization, multitask optimization, multimodal optimization, fuzzy logic, and hybrid models, that are being leveraged to address intricate real-world challenges. This Special Issue is dedicated to promoting cross-disciplinary collaboration, illustrating how CI tools can provide novel solutions for complex issues. Submissions that incorporate domain expertise (e.g., physics-informed neural networks or biologically inspired optimization) are highly encouraged.

Guest Editor

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Deadline for manuscript submissions

30 September 2026



Mathematics

an Open Access Journal
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Impact Factor 2.2
CiteScore 4.6



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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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