



Advances in Metaheuristic Optimization Algorithms

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Message from the Guest Editor

Metaheuristic optimization algorithms have seen significant advancements in recent decades, driven by their ability to tackle complex and diverse optimization problems across various domains. These algorithms, inspired by natural and artificial processes, have provided robust and flexible solutions for intricate computational challenges. Therefore, this Special Issue aims to highlight the latest developments, innovative methodologies, and practical applications of these algorithms.

We seek papers that explore novel metaheuristic approaches, hybrid algorithms, and their theoretical foundations. Contributions that demonstrate the application of metaheuristic optimization in real-world problems, including but not limited to engineering design, logistics, bioinformatics, finance, and artificial intelligence, are highly encouraged.

This Special Issue aims to serve as a comprehensive resource for researchers and practitioners, fostering a deeper understanding of metaheuristic optimization and its potential to solve complex problems in various scientific and industrial fields.





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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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