Intelligence Computing and Optimization Methods in Natural Sciences

Guest Editor:

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Message from the Guest Editor

This Issue deals with aspects of mathematical modeling and the development of innovative novel algorithms for the solution of various types of optimization problems in natural sciences.

Mathematical optimization methods and intelligence computing are two advanced technologies that are used in a various fields of applications. Both are applied mathematics methods to solve complex problems. Both technologies have a wide range of applications.

High-quality papers that address both theoretical and practical issues in the area of optimization and Intelligence Computing, and submissions that present new theoretical results, models and algorithms, as well as new applications, real world case study are welcome.

Potential topics include, but are not limited to, applications of numerical and continuous optimization methods, mathematical models, optimization techniques, and machine learning algorithms in natural sciences; high-performance computing for mathematical modeling, stochastic optimization, fuzzy logic, artificial neural networks and evolutionary modeling.

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Special Issue

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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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