Special Issue

Trends in Evolutionary Computation with Applications

Message from the Guest Editor

This Special Issue collects high-quality original research papers on the relevant applications of evolutionary computation (EC) techniques. Its primary focus is on contributions that showcase the practical implementation of EC algorithms for solving complex, real-world problems, exploring theoretical advancements, and proposing novel hybrid approaches. We encourage case studies demonstrating the effectiveness of algorithms such as Genetic Algorithms, Particle Swarm Optimization, Ant Colony Optimization, and other EC and bio-inspired techniques in engineering, healthcare, and environmental science. We are also interested in works that combine EC algorithms with other computational methods to tackle single- or multi-objective optimization problems. Additionally, contributions discussing the implementation of nature-inspired algorithms in distributed computing environments are highly valued. Topics of interest include parallel processing, cloud-based deployments, and the scalability of distributed bio-inspired algorithms.

Guest Editor

Dr. Mario Garcia-Valdez

TecNM, Tijuana Institute of Technology, Tijuana, Mexico

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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