



Artificial Intelligence and Natural Computing: Theory, Methodology and Applications

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Message from the Guest Editors

In the last few decades, the role of artificial intelligence and natural computing has aroused more and more attentations, and also been successfully applied to engineering, economics, scheduling and so on.

This Special Issue will present recent research results in Artificial Intelligence and Natural Computing: Theory, Methodology and Applications. Natural Computing is a family of biologically inspired population-based algorithms for global and combinatorial optimization. It is also one of the most important tools for providing an effective and efficient solution to many real-word engineering problems due to their flexibility and capability to solve multimodal problems.

This Special Issue is focused on the artificial intelligence and natural computing: theory, methodology and applications. Potential intelligence, optimization and application topics include but are not limited to the following:

Foundation of artificial intelligence; Natural computing; Evolutionary computation and neural network; Evolutionary combinatorial optimization and metaheuristics; Evolving hardware and developmental systems; Evolutionary learning and deep learning; Surrogate model for optimization.





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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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