

Special Issue

Advance in Artificial Intelligence and Soft Computing with Applications

Message from the Guest Editor

Soft computing is a collection of computational methods focused on handling uncertainty and imprecision problems. It simulates the behavior of complex systems through flexible algorithms without relying on precise numerical calculations or strict logical reasoning. By embracing uncertainty, soft computing methods can effectively enhance the robustness and adaptability of problem solving, making them suitable for scenarios with fuzzy information and dynamic changes. Recently, the integration of soft computing and artificial intelligence has shown its advantage in effectively promoting the solution of complex problems. It has become one of the core directions of current intelligent technology development. This Special Issue seeks to gather innovative research that advances the theory, methodologies, and applications of the combination of soft computing methods (e.g., fuzzy set, granular computing, and lattice theory) and artificial intelligence methods (e.g., deep learning, reinforcement learning, attention mechanism, graph neural network, and topological data analysis).

Guest Editor

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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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