Special Issue

Computational Intelligence and Evolutionary Algorithms

Message from the Guest Editor

In our ever-changing world, where data are generated rapidly at an exponential rate, there is a need for computationally intelligent algorithms that are capable of quickly and accurately processing data and making good decisions. Many researchers have turned their attention to developing and analyzing computational intelligence algorithms. In the design process of CI algorithms, there are many stages in which there appears a need for an optimization algorithm. This includes the optimization of the structure of these algorithms, their parameters, learning weights, etc. Inspired by the Darwinian theory of evolution, evolutionary algorithms have been successful in solving a variety of optimization problems. In this respect, this Special Issue addresses novel advances in CI and evolutionary algorithms and their relationships. This journal accepts high-quality studies with original research results and literature review papers in the following fields (by no means exhaustive):

- Machine Learning;
- Neural Networks;
- Deep Learning;
- Fuzzy Systems;
- Evolutionary algorithms;
- Swarm Intelligence;
- Decision Making.

We look forward to receiving your submissions.

Guest Editor

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Deadline for manuscript submissions

30 November 2025

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.

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