Special Issue

Emerging Applications of Evolutionary Computing and Swarm Intelligence

Message from the Guest Editors

We are pleased to announce this Special Issue dedicated to exploring the latest advancements and innovative applications of evolutionary computing and swarm intelligence. Evolutionary computing, inspired by natural selection and biological evolution principles, continues to advance, offering new methodologies for developing adaptive algorithms and intelligent systems that learn and evolve. Swarm intelligence, which mimics the collective behavior of natural systems such as ant colonies and fish schools, is also at the forefront of innovation. This Special Issue aims to gather cutting-edge research and practical applications that highlight the transformative potential of these computational techniques. We encourage submissions that address practical advancements and present real-world applications and case studies in areas including, but not limited to, transportation, scheduling, manufacturing, software engineering, telecommunications, the internet of things, social networks, wireless sensor networks, complex systems, machine learning, and medicine, among others.

Guest Editors

Prof. Dr. Abel Garcia-Najera

Dr. Karen Miranda

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Deadline for manuscript submissions

30 June 2025

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Mathematics

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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.

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