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Metaheuristics and Artificial Intelligence: Latest Advances and Prospects

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Message from the Guest Editors

Metaheuristics and artificial intelligence have become increasingly important in solving complex optimization problems in various fields. Metaheuristics are powerful On the other hand, artificial search algorithms. intelligence (AI) techniques, including machine learning, deep learning, and neural networks, have shown remarkable success in solving many real-world problems. The topics covered in this Special Issue include, but are not limited to, optimization algorithms, metaheuristics, swarm intelligence, genetic algorithms, evolutionary computation, artificial neural networks, fuzzy logic, machine learning, deep learning, and hybrid systems. This Special Issue also focuses on the importance of explainable artificial intelligence (XAI) techniques which aim to provide interpretable and transparent models and algorithms to enhance the understanding trustworthiness of the decision-making process in Al systems. This Special Issue highlights the ability of these techniques to solve a wide range of problems in diverse areas such as engineering, finance, healthcare, and transportation.











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Message from the Editor-in-Chief

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