



Nonlinear and Evolutionary Optimization in Materials and Engineering

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Deadline for manuscript
submissions:

30 August 2024

Message from the Guest Editor

Dear Colleagues,

This Special Issue "Nonlinear and Evolutionary Optimization in Materials and Engineering" delves into the intricate fusion of evolutionary algorithms in the realm of materials science and engineering. This Special Issue aims to provide an in-depth examination of the symbiotic relationship between evolutionary optimization techniques and the optimization challenges inherent in material properties, processing methodologies, and engineering structures. Artificial evolutionary methods such as genetic algorithms and other population-based nonlinear optimization techniques can be applied to the identification and optimization of novel materials.

This Special Issue welcomes novel research and applications where evolutionary algorithms, nonlinear optimization, artificial intelligence, and machine learning are employed to optimize material properties, manufacturing processes, and engineering designs. All the works involved in the application of evolutionary algorithms, artificial intelligence, and machine learning to material science and engineering are welcome.





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Message from the Editor-in-Chief

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