

## Special Issue

# New Challenges in Evolutionary Computation

### Message from the Guest Editor

The field of evolutionary computation (EC) has been a prolific research area since its inception. In recent decades, EC has been rapidly growing to yield complex techniques with extremely sophisticated exploration mechanisms ideal for dynamic optimization. Nowadays, there are several new challenges for EC techniques mostly linked to their new applications across a range of fields, such as evolutionary data mining, vehicle routing, scheduling, multiobjective optimization with high dimensionality problems, hyperparameter optimization, or evolutionary algorithms as hyperheuristics. In addition, given the intrinsic stochastic nature of these techniques, interesting research lines explore their combination with other techniques, such as deep neural networks or deterministic techniques. Finally, any innovative proposal to improve parametrization, computational cost, convergence robustness, or scalability will be taken into consideration. The aim of this Special Issue is to publish innovative research works related to the modern challenges faced by EC, particularly those that contribute to advances in the field of EC from both theoretical and applied perspectives.

### Guest Editor

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### Deadline for manuscript submissions

closed (28 July 2022)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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