

## Special Issue

# Bio-Inspired Computational Techniques: Theory, Methods and Applications

### Message from the Guest Editors

Since the early days of Artificial Intelligence, nature has been seen as a great source of inspiration to provide solutions for complex problems. Under evolutionary pressure, aggregations of cells, tissues, organisms, and species are pushed to develop optimized skills for their survival, finding solutions that are often creative and unexpected. These emergent behaviors can be emulated to design computational techniques for tackling real-world problems. For over 70 years, bio-inspired algorithms represent a research area that takes inspiration from natural phenomena, in order to implement high-performance computing approaches and intelligent paradigms, with the aim of solving complex problems. Bio-inspired computation not only results in a fruitful approach for solving real-world problems, but it also plays a fundamental role in artificial life, at the intersection between biology, mathematics, and computer science.

The objective of this Special Issue is to collect original research articles as well as review articles that will draw the current framework of research in the area of bio-inspired algorithms and approaches to solve problems or to model phenomena in different domains.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 November 2021)



## 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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