



## Biomimicry and Bio-Inspired Research and Development

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Deadline for manuscript  
submissions:

**closed (20 December 2022)**

### Message from the Guest Editor

This Special Issue is devoted to the research and development of biomimicry and bioinspired applications. Bioinspiration is the creation of new materials, gadgets, algorithms, and structures that are inspired by biological systems and their solutions, as well as the millions of years of biological evolution and refinement. The objective is to enhance biological system modeling and simulation in order to get a better understanding of essential structural characteristics seen in nature and their application in the development of future products.

At the macro- and nanoscales, biomimetics has given rise to innovative technologies inspired by biological solutions. Self-healing powers, environmental exposure tolerance and resistance, hydrophobicity, self-assembly, solar energy harvesting, artificial intelligence, biosensors or navigation are just a few of the technical difficulties that nature has handled.

We encourage articles that explore cutting-edge research and recent developments in the area of biomimicry and bioinspired applications for this Special Issue. Theoretical and experimental investigations, as well as thorough review and survey papers, are all invited.





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## Editor-in-Chief

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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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