## **Special Issue**

## Bio-Inspired Computing Meets Al: Advanced Applications in Biology

## Message from the Guest Editor

Bio-inspired computing is a rapidly evolving field that draws inspiration from biological systems to develop innovative computational models and algorithms. By abstracting principles from natural phenomena, such as neural networks, genetic evolution, immune systems, and collective behaviors, researchers create robust frameworks applicable to artificial intelligence (Al), data analysis, and beyond. As Al increasingly integrates with life sciences, bio-inspired computing offers powerful approaches for complex challenges in biology, such as molecular modeling, genomics, and predictive bioinformatics. This Special Issue, Bio-Inspired Computing Meets Al: Advanced Applications in Biology, aims to explore cutting-edge research at this intersection, highlighting applications where bioinspired methods enhance Al's impact in biological sciences, including machine learning, deep learning, and data-driven biological modeling. We invite contributions that showcase transformative advancements in applying bio-inspired computing to address fundamental questions and challenges in biology.

## **Guest Editor**

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### Deadline for manuscript submissions

closed (30 April 2025)



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## Message from the Editor-in-Chief

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