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Biologically Inspired Computing

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

BIC, short for biologically inspired computing, is a field of study that loosely combines the related subfields of connectionism, social behavior, and emergence. It is often closely related to the field of artificial intelligence, as many of its goals can be linked to machine learning. It is also closely related to the fields of biology, computer science and mathematics. In short, it is the use of computers to simulate the phenomena of life and to improve the use of computers by studying living things. Biologically inspired computing is a major subset of natural computing. Biologically inspired computing is different from traditional artificial intelligence (AI) in that it uses a more evolved learning method instead of the so-called "creation theory" method in traditional artificial intelligence.

The purpose of this Special Issue is to gather a collection of articles that cover the latest developments in different fields of biologically inspired computing, evolutionary algorithms, biodegradability prediction, cellular automaton, the neural network, and others.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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