Special Issue

Swarm Intelligence with Mathematical Fuzzy Logic for Computer Science in Real-World Applications

Message from the Guest Editor

Optimization methods based on swarm intelligence are a recent topic of research based on using bio-inspired behavior to solve complex optimization in computational intelligence. This Special Issue invites researchers to report their latest research work on the development of new improved bio-inspired algorithms, or new applications of existing methods in the design of topologies of neural models, parameter adaptation in control systems and path planning of robots, etc., with ultimate goal of exploring future research directions. Potential themes include but are not limited to the following:

- Theoretical methods for understanding the behavior of bio-inspired algorithms;
- Novel nature-inspired or application-inspired optimization algorithms;
- Statistical approaches for understanding the behavior of nature-inspired methods;
- Optimization of neuro-fuzzy models;
- Optimization of mathematical fuzzy logic models;
- Optimization of emergent neural models with nature-inspired algorithms;
- Mathematical fuzzy logic and intelligent and automatic control;
- Methods based on collective intelligence.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2023)

Axioms

an Open Access Journal by MDPI

Impact Factor 1.6

mdpi.com/si/111926

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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