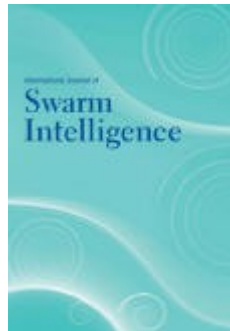


Call for Papers



International Journal of Swarm Intelligence

Special Issue on: "Advanced Nature-Inspired Optimisation Techniques for Engineering Applications"

Guest Editors:

Dr. Soniya Lalwni, Rajasthan Technical University, India

Prof. Anand Nayyar, Duy Tan University, Vietnam

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Nature has produced several efficient processes which offer solutions for complex and dynamic real-world problems. These efficient processes, namely nature-inspired optimisation techniques, include evolutionary algorithms, swarm intelligence, artificial neural networks, artificial life, artificial immune systems, fractal geometry, DNA computing, quantum computing, and many more.

Real-world optimisation problems are usually complex, large-scale and NP-hard. They not only contain the terms of constraints, single/multiple objectives, but also involve modelling that evolves continuously. Hence, their solutions require further advancements in available nature-inspired optimisation techniques.

The aim of this special issue is to facilitate and enhance the information available in the field of nature-inspired algorithms, including that related to the development of advanced nature-inspired optimisation algorithms, and/or to the application of improved variants of existing ones for solving real-world complex problems.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- Latest nature-inspired algorithms for complex, constrained or multi-objective numerical optimisation problems, including
- Teaching-learning-based optimisation (TLBO) algorithm
- Flower pollination algorithm (FPA)
- Cat swarm optimisation (CSO) algorithm
- League championship algorithm (LCA)
- Anarchic society optimisation (ASO) algorithm
- Cuckoo optimisation algorithm (COA)
- Crow search algorithm (CSA)
- Dragonfly algorithm (DA)
- Ant lion optimiser (ALO) algorithm
- Krill herd algorithm (KHA)
- Grey wolf optimisation (GWO) algorithm
- Shark smell optimisation (SSO) algorithm
- Gradient evolution (GE) algorithm
- Moth-flame optimisation (MFO) algorithm
- Hybrid algorithms
- Parallel implementation of nature-inspired algorithms
- Real-world implications

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our [Submitting articles](#) page.

If you have any queries concerning this special issue, please email Soniya Lalwani at slalwani.pdf@rtu.ac.in, Prof. Anand Nayyar at anandnayyar@duytan.edu.vn or Prof. Rajesh Kumar at rkumar.ee@mnit.ac.in.

Important Dates

Manuscripts due by: *28 February, 2019*

Notification to authors: *30 April, 2019*

Final versions due by: *31 May, 2019*