*International Journal of*

# Computational Complexity and Intelligent Algorithms

# Scope of the Journal

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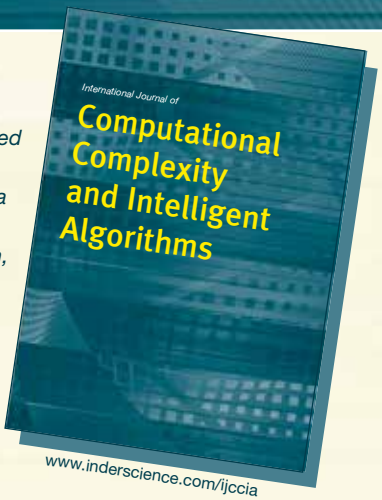


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*Modern systems are becoming more sophisticated but traditional analytic- and numeric-based methods have sufficed until now, frequently simplifying problems to allow analytical tractability. To deal comprehensively with the new systems, a wide range of intelligent methodologies and techniques (including intelligent algorithms of computation, optimisation, control and system theory) are increasingly required. IJCCIA aims to become a leader in the exciting field of computational intelligence theory and its applications, with the emphasis on analysis and measurement of computational complexity.*

**Topics covered include:**

- Soft/nature-inspired/bio-inspired computing (heuristic algorithm development)
- Novel intelligent algorithms development
- Computational complexity analysis
- Complexity measures
- Numerical analysis, stability
- Review/analysis/comparison of intelligent algorithm models
- Computer simulations and visualisation
- Software and hardware implementation of intelligent algorithms
- Review and comparison studies of algorithms and techniques
- Multidisciplinary research combining
- Algorithms/modelling/optimisation/scheduling/control
- Mathematical modelling/analysis of physical/chemical/biological/environmental/industrial processes
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- Neural networks and complex network modelling/theory
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