



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_15341
Title of the Manuscript:	Data Clustering using Hybridization Strategies of Continuous Ant Colony Optimization, Particle Swarm Optimization and genetic Algorithm
Type of the Article	Original Research Article

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This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The representations for PSO and AG are similar (vector form), but in ACO, representation by nodes is usually used. In the paper should be explained how pheromone are represented. As formulas (4) and (5) are missed The target function (7) to evaluate the fitness of clustering is missed. Is important explain why PSO first and then ACOR in sequential methods. To answer what happens if ACOR and then PSO? The principal result is method Hybrid V, but a computational complexity isn't presented. It should be explained.	In ACO, solutions in pheromone table as a vector, In Item 2.1 "CONTINUOUS ANT COLONY OPTIMIZATION" type of display solutions in pheromone table were added. Formulas (4) and (5) have been modified. The target function (7) to evaluate the fitness of clustering have been modified. what happens if ACOR and then PSO explain. computational complexity is presented in item 5. "Computational complexity analysis"
Minor REVISION comments	Only one application for genetic operators are presented (two-point crossover and position for mutation). It's not necessary specify with details. In introduction it's necessary to reference others methods for clustering (e.g. fuzzy clustering) The item 2.5 "data clustering" should be include in introduction, because it's the principal theme of this paper. Line 148 mistake : "superiorto" Line 189 "update by ACOR" and not "by ACOR"	Crossover and mutation specify with details in item 2.3 "Genetic algorithm" In introduction referenced to others methods for clustering. The introduction of data clustering is added in item 2.5



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<u>Optional/General</u> comments	Only two reference in last 5 years (2011 and 2013)	Reference is updated
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