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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_30894
Title of the Manuscript:	mcga: An R Package for Machine-coded Genetic Algorithms
Type of the Article	Original Research Article

General guideline for Peer Review process:

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)
<u>Compulsory</u> REVISION comments	-----	
<u>Minor</u> REVISION comments	MORE RESULTS R REQURIED BY CONSIDERING THE VARIOUS MUTATION & CROSSOVER.EVEN THE EFFECTS OF VARIATION OF POPULATION SIZE HAS TO BE STUDIED.EFFECT OF PENALTY FACTOR HAS TO BE CONSIDER IF POSSIBLE. SO FOR DIFF. PARAMETERS OF GA HAS TO BE COMPARED WITH THE SUGGESTED METHODS.	Firstly, thanks to the reviewer for her/his valuable suggestions. We added the 'Table 1' in the paper, it includes a mini-simulation study that compares success of the many crossover and mutation operators. We selected the 75-variables Bohachevsky function as it has many variables, hard to optimize, and we have already used it in our examples with lower number of variables. We used Byte-based crossover, SBX crossover, Flat crossover, Arithmetic crossover, BLX crossover, Linear crossover, and Unfair crossover operator for the comparison. These crossover operators are combined with the standard real mutation and the byte-based mutation operators. As a result of the mini-simulation study, byte-based operators are not the best, but they have relatively promising results. We also mention that the dynamic version of the mutation operator yields the global optimum of the function but it is highly related on the



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		dynamically updated mutation probabilities. For our opinion, a more comprehensive simulation study can be done but it requires more study and it is out of the scope of the paper which mainly describes a software package of a predefined and published algorithm.
<u>Optional/General</u> comments	RESULTS HAVE TO MODIFIED TO PROVE THE BEST METHOD W.R.TO GA (SGA).	