



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Mathematics &amp; Computer Science</a>                            |
| Manuscript Number:       | 2014_BJMCS_14586                                                                                 |
| Title of the Manuscript: | <b>A fuzzy approach for solving three-level chance constrained quadratic programming problem</b> |
| Type of the 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**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Author's comment</b> (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)                                                                                                                                                                                                                                                                                                     |
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| <b><u>Compulsory</u></b> REVISION comments | <p><b>Reviewer's report</b></p> <p>In my opinion, the submitted manuscript entitled "A fuzzy approach for solving three-level chance constrained quadratic programming problem" for the possible publication in the <a href="#">British Journal of Mathematics &amp; Computer Science</a> cannot be accepted for the publication in current form. Paper is not ready for scientific publication because of author(s) does not discuss the concepts of fuzzy and the solution method of Tchebysheff clearly. Author(s) should have to describe the methods used in this manuscript for the solution of the problem. Authors have only given the definition of the Tchebycheff problem and not described completely for the solution. The fuzzy membership functions used in the method of this manuscript can also be described separately in the numerical portion to clarify the described methods. References are not in the same format and must be in the same format. The reference list is not</p> | <p>The formulation of Tchebysheff function is presented clearly in our paper in section 4.3 as the following</p> <p>Max <math>\delta</math>,</p> <p>Subject to</p> $\frac{[(x_1^F + t_1) - x_1]}{t_1} \geq \delta I,$ $\frac{[x_1 - (x_1^F - t_1)]}{t_1} \geq \delta I,$ $\frac{[(x_2^F + t_2) - x_2]}{t_2} \geq \delta I,$ $\frac{[x_2 - (x_2^F - t_2)]}{t_2} \geq \delta I,$ $\mu[F_1(x)] \geq \delta,$ $\mu[F_2(x)] \geq \delta,$ $\mu[F_3(x)] \geq \delta,$ $(x_1, x_2, x_3) \in G,$ |



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|  | <p>updated. There are so many published on fuzzy and the technique Tchebycheff but authors not cited in their paper. Paper could be accepted for publication for this journal if authors make some sincere efforts in light of above comments.</p> <p>For example: The paper entitled “<b>Bi-Criteria Optimization Technique in Stochastic System Maintenance Allocation Problem</b>” which is published in American Journal of Operations Research, Vol.3 No.1(2013), Article ID:27513, where the authors Ali and Hasan have described the concept of Tchebycheff.</p> | <p><math>t_1, t_2 &gt; 0,</math><br/><math>\delta \in [0,1]</math></p> <ul style="list-style-type: none"> <li>- The references are already in the same right format and up to date for example : the paper entitled " A Fuzzy Approach for Solving a Three–Level Large Scale Linear Programming Problem" which is publish in Int. J. Pure Appl. Sci. Technol., 19(2) (2013) 22-34, where the authors T.I. Sultan, O.E. Emam, A.A. Abohany have describe the concept of fuzzy programming and Tchebycheff technique clearly.</li> <li>- And the paper entitled “A decomposition algorithm for solving a three–level large scale linear programming problem” which is publish in <i>Applied Mathematics and Information Science</i>, 5 (Sep. 2014), 2217-2223, where the authors are T. Sultan, O. Emam and A. Abohan have described the concept of fuzzy , Tchebycheff and three-level programming problem.</li> <li>- There are several published papers in 2013,2012,2011.2009.2008</li> </ul> |
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|-----------------------------------------|--|---------------------------|
|                                         |  | located in our references |
| <b><u>Minor</u></b> REVISION comments   |  |                           |
| <b><u>Optional/General</u></b> comments |  |                           |