



**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_15137                                                      |
| Title of the Manuscript: | ECCENTRIC CONNECTIVITY INDEX AND POLYNOMIAL OF SOMEGRAPHS             |
| 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**

|                                            | <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)                                                                                                                                                                         |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                              |
| <b><u>Minor</u></b> REVISION comments      | <p>Page 1 line -3: upper bounds</p> <p>Theorem 2.1: define <math>  n-1  </math> in the statement</p> <p>References: check the page numbers.</p> <p>Theorems 2.2 and 2.3: Two polynomials are equal when they have the same coefficients, but can you please recall what is the meaning of an inequality between polynomials?</p> <p>Page 5 line -2: correct the last sum</p>                                                                                                                                                           | <p>Corrected the manuscript and highlighted the corrected part.</p> <p>Corrected the manuscript and highlighted the corrected part.</p> <p>In Theorems 2.2 and 2.3, by inequality of polynomials, what I am trying to show that is the value of the index/polynomial on the L.H.S. is more than the terms written in the L.H.S.</p> <p>Sum is corrected.</p> |
| <b><u>Optional/General</u></b> comments    | <p>The paper considers the Eccentric connectivity index and Eccentric connectivity polynomial of a graph. The three main results are: an exact calculation of these invariants for the double graph of a given graph; a lower bound of these invariants for the subdivision graph of the double graph of a given graph; and a lower bound of these invariants for the extended double cover graph of a given graph. It seems that these results may be relevant for chemical applications. So my opinion on the paper is positive.</p> | <p>I would like to thank the referees for their keen observations and suggestions.</p>                                                                                                                                                                                                                                                                       |