



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_22004
Title of the Manuscript:	On V4-cordial Labeling of Graphs
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.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	In this paper, the admissibility of a certain type of cordial labeling, called V₄-cordial labeling, by certain graph classes are discussed. The paper contains some serious flaws and errors. The following are some of these serious errors which are to be corrected. 1. Proper Citations must be given to all definitions and results that are not introduced in this paper. For example, definitions 1.1, 1.2, 1.3, Corona product of graphs, crown, armed crown $C_n \odot K_1$ etc. 2. The definitions of crowns and armed crowns are wrong. A crown is defined as $C_n \odot K_1$ and armed crown is defined as $C_n \oplus P_m$ (the rooted product of C_n and P_m). It seems that the author(s) is (are) are confused with the definition of corona and rooted product of graphs. They are advised to refer good books like the following. (a) F. Harary, Graph Theory, Addison Wesley, 1969. (b) R. Hammack, W. Imrich and S. Klavarsar, Handbook of Product graphs, CRC Press, 2011. (c) J. A. Bondy and U. S. R Murty, Graph Theory, Springer, 2008. 3. The presentation style must be improved, especially in the introduction part. A thorough spell check and language editing is necessary for the current version of this document.	The following are the corrected errors. 1. Citations of definitions are given in a proper way with numbering. 2. Definitions and notations were corrected. 3. Introduction part was improved.
<u>Minor</u> REVISION comments	1. The citations must be in the number format like [1], [2] etc. 2. Numbering is more suitable in a research paper than using bullets.	1. Citations are corrected in number format. 2. Bullets were replaced by numbering.
<u>Optional/General</u> comments	The results seem to be correct though the errors in definitions. The article can be considered for publication only if it is rewritten by making the above mentioned corrections.	Definitions were corrected.