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| Journal Name: | [**Asian Research Journal of Mathematics**](https://journalarjom.com/index.php/ARJOM) |
| Manuscript Number: | **Ms\_ARJOM\_134080** |
| Title of the Manuscript: | **Anticenter-Symmetric Bialgebras** |
| Type of the Article | **Review Article** |

PART 1: Comments

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|  | **Reviewer’s comment**I have highlighted the grammatical mistakes found in the paper. Also additional comments are attached in separate page. | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript is suitable for pure mathematicians or researchers. This will also help the computer engineers to address crptology or cryptographic problems. This provides a base towards the bialgebras.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title should be replaced, one suggestion is “**Types of Bialgebras**” or “**Bialgebras and their types**” |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **Abstract is ok but requires improvement in grammar of the language.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | This manuscript is more theoretical. Better is to mention some application where Bialgebra concept is used. Simply to make this paper more attractive, kind of simulated application is recommended. |  |
| **Are the references sufficient and recent? If you have****suggestions of additional references, please mention them in the review form.** | **Yes** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **Language requires more focus for better reach** |  |
| **Optional/General** comments | • Parallel in feature (b) on page 2 is used in the sense of english language or mathematically, if in later sense, then elaborate it. • On page 3, what is this gl(V) map? And Write down simply that (L, R, A) is regular bimodule... In proposition 2.4, can we also write here (lx2v1 + rx1v2)? If so then what will be the effect? • On page 4, What is adjacent Mock Lie algebra before you define sub-adjacent type? And Thorem 2.7 looks either direct copy paste or manipulation of terms. • On page 5, in proposition 2.9, What will happen in case of infinite dimensional vector space? And <(r\*xy + ...), > is inner product or something different, if later case can you then find the relationship between the inner product and this defined product. • On page 6, in equation 3.1 of definition 3.2, Does this subscript b with B indicate the invariance of bilinear form? • On page 10, in equation 4.5, r1 r2 r1 r3 can be replaced with r1213 • On page 12, in corollary 4.7 and proposition 4.10, what will happen if r is symmetric rather than skew-symmetric? And what is weight zero in example 5.2? • Use appropriate mathematical symbols and keep consistency while using them |  |

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| **PART 2:**  |
|  | **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)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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