|  |  |
| --- | --- |
|  | |
| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_134015** |
| Title of the Manuscript: | **Nutritional Evaluation of Guava (Psidium guajava) Leaves as a Sustainable Feed Resource for Livestock** |
| Type of the Article |  |

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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.** | The contents of this research work is essential to livestock farming; it provides an “alternative sustainable” feed to livestock. Scientifically, it adds to the body of global useful knowledge and also provides several fronts of continuing research |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | “**Nutritional Evaluation of Guava (Psidium guajava) Leaves as an Alternative Sustainable Feed Resource for Livestock”.**  **Sustainable should be maintained considering the large scale of cultivation and that sustainable harvesting will be practiced.** |  |
| 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. | It is comprehensive but Van Soest analysis and the associated values should be added. Correct numerical numbers or percentages should be stated. In the last statement, instead of “supplementary feed ingredients” it should read “sustainable feed”. |  |
| Is the manuscript scientifically, correct? Please write here. | **A. Introduction:** 1. It is concise and straight to the point 2. Some statements have no source 3. Most cited references are not in the literature/introduction  **B. Methods**  1. Please change ‘neem leaves’ to guava (*Psidium guajava*) leaves 2. No mention of determination of Acid Insoluble Ash but has result 3. No mention of Dumas Combustion Method  **C. Results and Discussion**  **3.1:** a. Refer to table first and then make selective discussion otherwise the table will look like a “made up” table. It applies to all sections of the results.  b. There's no result for moisture content.  c. The value for nitrogen free extract should be recalculated.  d. All references that supported the results are not in the literature.  **3.2:** a above  b. Two references that supported the results are not in your literature  **3.3:** a above  b. All the references that supported the results are not in the literature  c. How did You use Dumas Combustion Method and HPLC. Please show this in Your method.  **Tables**  **1:** Add value for moisture content and present properly calculated values.  **2:** Remove iron (Fe) to table 3  **3:** Remove Manganese (Mn) and Al (not necessary) to table 2  **5:** Please validate this statement “Each value is the average of nine observations” or remove it. The only average values You have are those of minerals and it was in triplicates.  **#**The results of Your Van Soest analysis suggests that guava leaves appear to have a relatively high fiber content (NDF and ADF) and a high lignin content (ADL), which would negatively impact its digestibility and intake by animals. The presence of AIA also contributes to a lower quality feed. Can You correlate these to Your results for proximate analysis…  **Comparative Analysis with Other Feed Resources:** Two of Your references here are not in the literature  **Practical Implications and Future Research:** a. The contents written for future research should be moved and added to the conclusion section. So the “heading” will now read “Practical Implications”.  b. One of Your reference is not in the literature  **\*\*** The use of uncited reference in result discussion undermines integrity and transparency. It also distorts logical flow, gives room for bias and weakens presented arguments. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | 1. References (in text and listed) are not according to the journal’s specifications. It should be properly done; it will take just few minutes.  2. Of the listed 28 references, 8 are not cited anywhere in the work. As it appeared in the listed reference, 2, 5, 8, 9, 23, 24, 26 & 27 are not cited anywhere in the work. |  |
| Is the language/English quality of the article suitable for scholarly communications? | English language used here is appropriate for scientific communication. |  |
| Optional/General comments | **Please add sustainable harvesting of guava leaves.** |  |

|  |  |  |
| --- | --- | --- |
| **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)* |  |

**Reviewer details:**

**Opuogulaya, Richard, Nigeria**