|  |  |
| --- | --- |
|  | |
| Journal Name: | [**Biotechnology Journal International**](https://journalbji.com/index.php/BJI) |
| Manuscript Number: | **Ms\_BJI\_132407** |
| Title of the Manuscript: | **Assessment of the Nutritional, Antioxidant, and Antimicrobial Properties of Chromolaena odorata Leaves** |
| Type of the Article | **Original Research 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.** | This study sheds light on the nutritional, antioxidant, and antimicrobial properties of *Chromolaena odorata* leaves. It may also serve as a basis of future researchers in their future endeavors with the same interest. | **Thanks** |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes.** |  |
| **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.** | **No**. The author/s should define the research gap clearly and must describe the analysis techniques used (example the HPLC-provide its meaning first). In the result part, the key findings should be presented in more organized/structured manner where statistical significance if there is. Lastly, to enhance the impact of the conclusion part, an/a impactful/stronger statement should be used on the practical/real-world applications of the findings. | The HPLC technique has been described. (See 2.6). The research gap and the conclusion has been adjusted. |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes**. However, the author/s must take actions on the following:   * Provide the number of replicates in antimicrobial susceptibility tests. * Provide a brief explanation of calibration/standardization and validation processes/measures of HPLC method used. * Provide a stronger or a more robust comparison with previous studies in some of your results. * Provide a brief summary of results emphasizing its potential on practical/real-world applications. | Thank you for the observations. The numbers of replicates have been included (2.5.3 line 7), the HPLC method has been explained (see 2.6, the characterization of the bioactive compound using HPLC analysis, lines 1-8), comparison with previous studies has been included. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes**. However, I suggest to add more recent literatures (at least last five years), especially in HPCL validation method for plant extracts, antimicrobial properties and potentials of *C. odorata*, and its medicinal properties or applications. Some references are incomplete or formatted inconsistently (*see your paper*) | Thank you for the observations. Recent literature has been added. See materials and method section, characterization of the bioactive compound using HPLC analysis (2.6, line 2). In the discussion section, paragraph 3 line 3; paragraph 8 line 4-5, paragraph 9 line 1-2, 8-10 |
| **Is the language/English quality of the article suitable for scholarly communications?** | There are minor grammatical errors and redundant phrases observed in the paper. I suggest that the paper should undergo proofreading by an English speaker or expert. Additionally, the author/s should briefly define first the technical term/s when it is first mentioned. | Thank you for the observations. The first technical terms have been defined. Check lines 8, 16, and 18 of the abstract session. |
| **Optional/General** comments | Please ensure that the references are properly cited in accordance with journal style, as well as that they are included. Also, don’t forget to italicized all scientific names. | Thank you for the observation. The missing references have been included. They have been cited in accordance with the journal style. All scientific names have been italicized. |

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