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| Journal Name: | **Asian Journal of Biochemistry, Genetics and Molecular Biology** |
| Manuscript Number: | **Ms\_AJBGMB\_132719** |
| Title of the Manuscript: | **Genotoxic And Cytotoxic Activities Of Leaf Extract Of Stachytarpheta cayenensis (Rich ).Vahl** |
| Type of the Article | **Research Paper (full length)** |

PART 1: Comments

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|  | **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 paper submitted based on the research work is of utmost significance and relevant to the present-day scenario of traditional medicine. Such detailed research on cytotoxicity and genotoxicity effects of medicinal plants also needs to be addressed for better validation of doses for consumption.**  **This manuscript has presented all the necessary data and findings technically well. The researchers have conceptualized, designed and executed the work in a satisfactory manner.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title of the article represents the objective of the research.** |  |
| **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.** | **Yes, the abstract is well composed and comprehensive.**  **But one correction needs to be done- Family name should start with capital letter (marked in the manuscript).** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, the manuscript is scientifically correct.**  **The researchers have well conceptualized, designed and executed the work. Analysis of experimental data and interpretations are technically sound.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes, all the references cited are of recent years and very much correlate with the present investigation under study.**  **Few points need to be addressed regarding reference- Few citations as well as their corresponding**  **references have been marked for correction; since they were not matching and few references have not been cited in the text. Kindly check for it.** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **Yes, the language of the article is appropriate for communication.** |  |
| **Optional/General** comments | **The overall research work carried by the author is very important for betterment of human health. It has greatly indicated how inappropriate use of medicinal plants in traditional medicine might also lead to permanent DNA damage resulting in irreversible health issues. The manuscript is technically sound and satisfactory for publication.**  **Few more suggestions for the improvement of the paper-**   1. **In results, observation of bridge has been mentioned but proper figure need to be shown.** 2. **Figure for chromosome fragmentation need to be more precise.** 3. **Labelling and marking of sticky metaphase in the figure need to be checked.** 4. **Spacing errors need to be corrected as marked.** 5. **Citations should be done in chronological order. (one is marked).** 6. **Try to match the references with citations.** |  |

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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)* |  |

**Reviewer Details:**

**Ritika Chakrabarty, Assam Agricultural University, India**