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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_142344** |
| Title of the Manuscript: | **Assessment of genetic diversity of seedling origin progenies in guava (Psidium guajava L.)** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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.** | As the study provides essential genetic and morphological insights into available guava’s germplasm. That could be proved as an aiding tool for the breeder. The molecular characterization using SSR markers offers precise data to enhance guava crop improvement and biodiversity management. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | My suggestion regarding the change of title for this manuscript is, it should be, **“Molecular Characterization and Genetic Diversity of Guava (Psidium guajava L.) Germplasm”** | Attended the suggestion |
| **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.** | In the abstract, there should be a proper start of the abstract from the taxonomic status, values and importance of the fruit plant. And at the end of the abstract, it should be concluded in a comprehensive way to highlight the results of the research and its importance for the future of agriculture industry, and also should be a way forward for the researchers. | Attended  This information is provided in the Instruction part of the paper |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, as the work is about the diversity and economic status of available germplasm that could be beneficial for the breeders and other stakeholders as well. |  |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** | I have mentioned some references that were required for the proper citation/source of information, but as a  reviewer I personally recommend that the references should be added more, as there are just a limited numbers of references that are cited in the manuscript. | Suggestions attended |
| **Is the language/English quality of the article suitable for scholarly communications?** | Quality is good enough yet the improvement is required in few sentences to make the sentence’s grammar clearer for the reader. | Suggestions attended |
| **Optional/General** comments | Reviewing the whole manuscript, there are few suggestions for the respected author, that the introduction section should be enlarged little bit to clarify the objectives of the conducted research. And also, to add the headings like; Cite for Experiment, Sample collection, germplasm source, DNA Extraction Protocol with detail in the materials and methods sections of the manuscript. From the results and discussion section, I would recommend to separate each of them to make it more attractive and catchier for the reader. | Wherever possible, the suggested improvement is being attended |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* | No. |