|  |  |
| --- | --- |
|  | |
| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_132722** |
| Title of the Manuscript: | **Hybridity Assessment of Chickpea Genotypes to Identify True Hybrids using SSR Markers** |
| 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.** | **In order to ensure the effectiveness of hybridization efforts, it is essential to confirm hybridity in chickpea breeding programs using SSR markers, which this publication offers insightful information on. A more dependable and effective approach to molecular characterization is provided by the study, which can hasten the development of disease-resistant chickpea varieties by identifying particular markers that can differentiate real hybrids from non-hybrids. In order to address issues with Ascochyta blight and Botrytis gray mold, which restrict chickpea output worldwide, the results are especially important. Additionally, the discovery of polymorphic SSR markers among various genotypes of chickpeas would improve breeding programs' accuracy and make it easier to produce more resilient, high-yielding cultivars.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes. No change needed.** |  |
| 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 correct.** **No change needed.** |  |
| Is the manuscript scientifically, correct? Please write here. | **Yes, its correct.** **No change needed.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes, its correct.** **No change needed.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes, its correct.** **No change needed.** |  |
| Optional/General comments | 1. Line no-3, (Cicer arietinum L.)- it should be in Italic manner.   **Scientific Names should be in Italics**   1. Line no-5, Ascochyta rabiei- it should be in Italic manner. 2. Check for Correct Citation Style. (eg- et al in Italic format) 3. Keywords- put it in italic form. 4. Line no-28, mention it either deshi or kabuli chickpea. 5. F1- Put it in same manner . 6. Materials And Methods-For making cross ,which type of crossing technique is used (also mention design used in this research programme) 7. Mention the size of DNA ladder (eg..in kb) |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Prasenjit Paul, Dhamma Dipa International Buddhist University, India**