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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_133994** |
| Title of the Manuscript:  | **Assessment of variability and diversity parameters for yield and quality traits in tomato (Solanum lycopersicum L.)** |
| Type of the 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 *(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.** | **It will help to other researchers in their research work. This research work is giving a good idea of genetic diversity assessment in tomato for different characters. Study of D2  analysis helps to understand the maximum divergence for the particular character which will be helpful for improvement in the genotypes and superior genotypes can be selected on the basis of the studies which can be use in further studies.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes , the title of the article suitable to 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. | **The abstract of the article is comprehensive. There is no need of any changes in the given information. It gives the complete idea of the research work.****There is a grammatical error in the first line of abstract. The spelling of ‘Evaluation’ is incorrect. Please correct it. Other than this, the whole content is good.** |  |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is scientifically correct and give better understanding of the research work. But there are some corrections in the content. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are sufficient and recent. You can also add Doi number or link in the references for betterment. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Overall language is suitable for scholarly communications except for slight corrections in the content. |  |
| Optional/General comments | **Correction in the given manuscript are as follows-**1. **Correct the ‘Evaluation’ spelling correct in the first line of abstract.**
2. **It will be more accurate if a change makes in 6th line of material and methods which is as follow ‘**The experimental material comprised of tomato 15 genotypes’ instead of this write it as ‘The experimental material comprised of 15 tomato genotypes.
3. **Please add full stop at the end of first line of 2nd para of material and methods.**
4. **In the 5th para of material and methods instead using ‘pH was determined..’ use ‘the pH of fruit’.**
5. **In the genetic advance formula and also in the sign for ‘heritability in broad sense’ please write h2 instead h2.**
6. **It will be better if there is symmetry in the given content. For e.g. write table 02 , figure 01 at each place instead of writing in a asymmetrical way like at some places table 02 and at some places table 1.**
7. **In the last para of coefficient of variance, use single quote (‘..’) for every character or remove it from all the characters to maintain uniformity.**
8. **In the 5th line of heritability and genetic advance as a % mean, replace the word ‘Present’ with ‘percent’**
9. **In the 2nd last line of the last para of heritability and genetic advance as a % mean, the preposition ‘in’ is written twice, correct it.**
10. **Please maintain the proper spacing for the heading ‘Genetic divergences’**
11. **Give a space after** Bahadur,(2015) in the last line of 1st para of genetic divergence.
12. **In each table replace PH with pH.**
13. **Please capital the letter ‘C’ of cluster in table 06 and write tocher’s instead of tocher**
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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:**

**Yamini Gautam, Rajmata Vijayaraje Scindia Krishi Vishwavidhyalya, India**