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| Journal Name: | [**International Journal of Plant & Soil Science**](https://journalijpss.com/index.php/IJPSS) |
| Manuscript Number: | **Ms\_IJPSS\_140779** |
| Title of the Manuscript: | **Assessment of Genetic diversity and Characterization of Sunflower Inbreds for breeding improvement** |
| 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.** | This study assessed genetic diversity among 42 sunflower inbred lines using morphological and quantitative traits. | The genetic diversity among sunflower inbred lines, which is very useful for future breeding work. It shows which traits can be improved easily through selection due to their high heritability and genetic advance. The clustering of genotypes also gives a clear idea about which lines can be crossed to get better hybrids. Overall, this study provides useful information for scientists working to improve sunflower yield and quality. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title of the manuscript is suitable. | 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. | The article has comprehensive abstract. | Yes |
| Is the manuscript scientifically, correct? Please write here. | The entire sections and structure of the manuscript are appropriate. | Yes |
| **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. | Yes, references are sufficient and recent |
| Is the language/English quality of the article suitable for scholarly communications? | The language/English quality of the article is suitable for scholarly communication. | Yes, It is suitable |
| Optional/General comments | Dear Authors,  Try to follow the comments and suggestions, which are remarked in word version in Track change in the word file to improve the manuscript. | Yes, I will follow the comments and suggestion |

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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)* | No ethical issue |