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| JournalName: | [**JournalofAdvancesinBiology&Biotechnology**](https://journaljabb.com/index.php/JABB) |
| ManuscriptNumber: | **Ms\_JABB\_133872** |
| TitleoftheManuscript: | **GeneticandPhenotypicDiversityofeliteMungbean(VignaradiataL.Wilczek)Genotypes** |
| TypeoftheArticle | **OriginalResearchArticle** |

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| **PART1:Comments** | | |
|  | **Reviewer’scomment**  **ArtificialIntelligence(AI)generatedorassistedreviewcommentsarestrictlyprohibitedduringpeerreview.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)* |
| **Pleasewriteafewsentencesregardingtheimportance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | * Yes,itis.Ilearnedsomethingsfromthemanuscript.Well done. * Yes,amanuscriptcouldbeimportantforthescientificcommunityduetofollowingaspects:1) Genetic diversity, 2) crop improvement, 3) Resilience to climate change. | Thank you sir |
| **Isthetitleofthearticlesuitable?**  **(Ifnotpleasesuggestanalternativetitle)** | * Yes,it'sprettymuchastandardtitle.Itclearlycommunicatesthestudy'sfocus:investigating thelackof high yielding varieties, due to genetic diversity and its importance on the cultivation, production and nutritional security by using genetic variability parameters and PCA analysis. | Thank you sir |
| **Is the abstract of the article comprehensive? Do you suggesttheaddition(ordeletion)ofsomepointsinthis section? Please write your suggestions here.** | * Abstractisgoodbutneedslotofrefinementlike:   + includinggrammaticalerrorsandtypographicalerrors.   + Itwillbegreatifauthormentionslocationoftheexperiment.   + Keywordsarementionedareakindofrepetitiveword(Genetic).Useuniqueterms. | Thank you sir  -grammatical errors are removed.  -Location of the experiment is added.  -key words are changed |
| **Isthemanuscriptscientifically,correct?Pleasewrite here.** | * Verycorrectandsound. * GrammaticalerrorsinthefirstsentenceoftheMaterialsandmethodssection. * Mentionthesoftwareusedforstatisticalanalysisofgeneticvariabilityparameters. * Mentionaboutthesourceofthegermplasm. * Mentionaboutthetypeofsowingmethodinvolvedorpractised. * Codesforthecharacters mentionedatthebottomofthetableisnotstandard wayofpresentation(Should not be in table format). * Replacetheterm‘Treatments’withthetermGenotypesinANOVAtable,itwillbemoreprecise. * Raretypographicalerrors. | * Corrections are incorporated. |
| **Arethereferencessufficientandrecent?Ifyouhave**  **suggestionsofadditionalreferences,pleasemention them in the review form.** | * Thereferencesarerecentandveryaccurate. | Thank you sir |
| **Isthelanguage/Englishqualityofthearticlesuitable for scholarly communications?** | * YES | - |
| **Optional/General**comments | * Paperis good | -- |

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|  | **Reviewer’scomment** | **Author’s comment** *(if agreed with the reviewer, correct the manuscriptandhighlightthatpartinthemanuscript.Itismandatory that authors should write his/her feedback here)* |
| **Arethereethicalissuesinthis manuscript?** | *(Ifyes,Kindlypleasewritedowntheethicalissueshereindetail)* |  |

PART2: