

Review Form 3

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_127020
Title of the Manuscript:	UNVEILING KEY CORRELATION STUDIES IN LOCAL GERMPLASM OF GREEN GRAM [Vigna radiata (L.) Wilczek]
Type of the Article	Original Research Article

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This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<p>Mungbean (green gram) is a significant pulse since it doesn't cause heaviness or gas, has more easily digested proteins, and is a source of calories in Asian diet. Ten main Indian states were Haryana, Maharashtra, Madhya Pradesh, Karnataka, Bihar, Andhra Pradesh, Orissa, Tamil Nadu, Gujarat, and Telangana account for more than 80% of the country's mungbean production.</p> <p>Mungbean is a creeping annual crop. It can grow extensively on all types of soil but largely sown by the farmers in arid and semi-arid regions. It requires warm climate for seed germination (28-30°C) and better growth performance (30-35°C) throughout the life cycle.</p> <p>The mungbean (<i>Vigna radiata</i> L. Wilczek), is a warm season annual legume with enormous potential that shows a short duration life cycle.</p> <p>Based on these results, the highest yield of mungbean may be obtained from genotypes with higher protein content, early flowering and ripening, maximum plant height, long and thick pod size, more seeds per pod, and superior seed weight.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is	
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.	Yes, it is In the keywords to be included: " <i>Vigna radiata</i> ".	
Are subsections and structure of the manuscript appropriate?	Yes, they are The conclusions can be summarized.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically	In present investigation, genotypic correlations in general were with higher magnitude than corresponding phenotypic correlation. Correlation at both genotypic and phenotypic level recorded to resolve the direction as well	

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<p>robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>as magnitude of association among the characters. Seed yield per plant shown the highest significance and positive correlation with 100 seeds weight (0.5054), number of seeds per pod (0.4168), pod thickness (0.339), number of clusters per plant (0.2602), and pods per plant (0.2232). It has negative and non-significant correlation with number of pods per cluster (-0.0534) and positive with plant height (0.1748), pod length (0.1737), protein content (0.159), 50 per cent flowering (0.0282) and days to maturity (0.0071). An association between seed yield with number of seeds per pod and 100 seeds weight with pod length, pod thickness was significantly positive, which is desirable situation for improvement of these traits simultaneously in mungbean. From given result, it can be concluded that, genotype with more protein content, early flowering and maturing, maximum plant height with long and thick pod size, having more number of seeds per pod and better seed weight can give maximum yield in mungbean.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are sufficient and recent. Internationally recognized abbreviations should be used for journal titles.</p>	
<p><u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, it is</p>	
<p><u>Optional/General</u> comments</p>		

PART 2:

	<p>Reviewer's comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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