Review Form 1.7

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_112965**
Title of the Manuscript:	**Assessment of Genetic Variability, Heritability and Genetic Advance for seed yield and its contributing traits in Greengram [Vigna radiata (L.) Wilczek]**
Type of the Article	**Research article**

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PART 1: Review Comments

	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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	the manuscript is important for scientific community. the green gram, or Vigna radiata (L.) Wilczek, is a legume crop widely grown in Southeast Asia. Usually, in the rainy season. Because of its brief growing season, it is also cultivated in the wheat-rice cropping system in the spring and summer to increase pulse production and crop intensity. Despite having the capacity to be cultivated in three seasons, the crop's average productivity worldwide is a pitiful 0.5 t ha-1, far less than the hectare estimated yield potential (2.5 to 3.0 tonnes). Due to ongoing limitations on pulse availability, pulse costs have increased, rendering them unaffordable for individuals who are depressed. Germplasm accessions have accumulated several advantageous characteristics, like tolerance to a variety of weather conditions such as a preponderance of infections, temperature stress, or drought, among others. Thus, the evolution of the crop is still greatly influenced by natural selection. The crop has developed a diversity of agronomic features, such as yield and its determinants, pod number, biological yield, maturity time, and so forth. Assessing germplasm accessions is the most important step towards utilizing the variety that is available. Within this research, the significant yield-related traits of the green gram germplasm were evaluated. The results could support initiatives for agricultural improvement. The title of the article suitable. the abstract of the article is comprehensive. the title of the article is suitable. subsections and structure of the manuscript are appropriate. the manuscript is scientifically correct. references need to be improved.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	English quality of the article is suitable for scholarly communications.	
Optional/General comments	Plant protection measures that were based on need and recommended agronomic procedures were implemented (references ??). The heritability formula provided by Hanson et al. (1956) and Johnson et al. (1955) was used to estimate heritability and genetic advance estimates, respectively. Include the formulas.	

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)*	

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Reviewer Details:

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