Review Form 1.6

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_93249**
Title of the Manuscript:	**Genetic Variability and Divergence of Morphological and Seed Quality Traits of Greengram (Vigna radiata L.) Genotypes**
Type of the Article	

General guideline for Peer Review process:

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 guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journalijpss.com/index.php/IJPSS/editorial-policy)

Review Form 1.6

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*
Compulsory REVISION comments	**Literature cited:** **Aditya, J.P, Pushpendra B and Anuradha B.2011. Genetic variability, heritability and character Association for yield and component characters in soybean (Glycine max (L) Merill). J Central European Agriculture.12: 27-34.** **Anand, G., Anandhi, K and Paulpandi, V.K. 2016. Genetic variability, correlation and path Analysis for yield and yield components in F6 families of greengram (Vigna radiata (L.) Wilczek) under rainfed condition. Electronic Journal of Plant Breeding.7 (2): 434.** **Anandhi, L.S and Vanniarajan, C. 2014. Clustering of greengram (Vigna radiata (L.)Wilczek) Genotypes based on qualitative characters. Society for Plant Research. 27 (2): 00-00.** **Asma, H.M., Humara, F., Ashraf B, M., Aijaz, A.W., Parvaze A. S and Reyazul, R.M. 2018. Correlation and principal component analysis for study of yield improvement in chickpea Genotypes in Kashmir valley in north India. International Journal of Current Agricultural Sciences. 8(A): 307-310.** **Das, R.T and Purna K. B. 2015. Genetic diversity analysis in green gram based on morphological Traits. Legume Research. 0250-5371.** **Devendra, K. 2015. Genetic variability analysis for seed yield and its components in mungbean (Vigna radiata L. Wilczek). International Journal of Plant Breeding and Genetics.9 (3): 177-188.** **Divyaramakrishnan, C.K and Savithramma, D.L. 2014. Tailoring genetic diversity of mungbean [Vigna radiata (L). Wilczek] germplasm through principal component and cluster analysis For yield and yield related traits. International Journal of Agronomy and Agricultural Research. 5(2): 94-102.** **Gadakh, S.S., Dethe, A.M., Kathale, M.N and Kahate, N.S. 2013. Genetic diversity for yield and Its component traits in greengram [Vigna radiata (L.) Wilczek]. Journal of Crop and Weed. 9(1): 106-109.** **Gajanan, P.S and Lal, G.M. 2022. Component relationship and genetic variability of seed yield And its contributing traits in greengram [Vigna radiata (L.) Wilezek]. The Pharma Innovation Journal.11 (5): 620-626.** **Gowsalya, P., Kumaresan, D., Packiaraj, D and KannanBapu, J. R. 2016. Genetic variability and Character association for biometrical traits in blackgram (Vigna mungo (L.) Hepper). Electronic Journal of Plant Breeding. 7(2): 317-324.**	

	PLEASE COMPAER WITH YOUR REFFERNCES **Gunjeet, K., Anurabh, J., Devendra, J., Ravish, Ch and Divya, V., 2016. Diversity analysis of green gram (Vigna radiata L. Wilczek) through morphological and molecular markers. Turkish Journal of Agriculture and Forestry. 40: 229-240.** **Janghel, D.K., Kumar, K., Sunil, R and Chhabra, A.K. 2020. Genetic diversity analysis,** **Characterization and evaluation of elite chickpea (Cicer arietinum L.) genotypes.** **International Journal of Current Microbiology and Applied Sciences. 9(1): 199-209.** **Jayamani, P and Sathya, M. 2013. Genetic diversity in pod characters of blackgram (Vigna mungo** **l. Hepper). Legume Research. 36(3): 220–223.** **Mehandi, S., Singh, I.P., Abhishek, B and Chandra, M.S. 2015. Multivariate analysis in greengram** **[Vigna radiata (L.) Wilczek]. Legume Research. 38(6): 758-762.** **Patel, K.V., Parmar, D.J., Kundaria, V.B., Patel, H.P and Patel, B.N. 2020. Tailoring genetic** **Diversity of greengram genotypes through principal component and cluster analysis. Electronic** **Journal of Plant Breeding. 12(1): 163–169.** **Prasanta K, M., Suma, C.M and Abhisheka, L.S. 2020. Genetic variability, heritability, genetic** **Advance and correlation studies for seed yield and yield components in early segregating lines** **(F3) of greengram [Vigna radiata (L.) Wilczek]. International Journal of Chemical Studies.** **8(4): 1283-1288.** **Praveen Kumar A, Ramana, M.V, Razia Sultana and Srinivasa Rao V.2005. Character association** **And path analysis in soybean (Glycine max (L) Merill) during non-conventional rabi season.** **The Andhra Agric J. 52: 48-51.** **Ramyashree, T., Patta, S., Rani, K.J and Ramesh, T. 2016. Genetic variability and divergence of** **Morphological and seed quality traits of soybean (Glycine max L. Merrill.) genotypes.** **Research Journal of Agricultural Sciences. 7(3): 614-616.** **Sandhiya and Saravanan. 2018. Genetic variability and correlation studies in greengram (Vigna radiata L. Wilczek). Electronic Journal of Plant Breeding. 9(3): 1094–1099.** **Shafique, S., Rashid, K, M., Nisar, M and shafiqureur, R. 2011. Investigation of genetic diversity** **In blackgram (Vigna mungo (l.) Hepper). Pakistan Journal of Botany. 43(2): 1223-1232.** **Singh, A., Singh, S.K., Sirohi, A and Ramshray, Y. 2009. Genetic variability and correlation** **Studies in greengram (Vigna radiata L. Wilczek). Progressive Agriculture. 9(1): 59-62.** **Sowmya, T., Kanaka Durga, K., Kamala, V., Keshavulu, K and Vidyasagar. 2017. Genotypic and** **Phenotypic variances among different quantitative characters in greengram genotypes.** **Bulletin of Environment, Pharmacology and Life Sciences. 6(3): 274-**	

	281. **Tabasum, A., Saleem, M and Aziz, I. 2010. Genetic variability, trait association and path analysis** **Of yield and yield components in mungbean (Vigna radiata (l.) Wilczek). Pakistan Journal** **Of Botany. 42(6): 3915-3924.** **Talukdar, N., Hironyo, K.B and Ramendra, N.S. 2020. Genetic variability of traits related to** **Synchronous maturity in greengram [Vigna radiata (L.) Wilczek]. International Journal** **Of Current Microbiology and Applied Sciences. 9(1): 1120-1133.** **Tyagi, S.D and Khan, M.H. 2010. Studies on genetic variability and interrelationship among** **Different traits in Microsperma lentil (Lens culinaris Medik). J Agric. Biotechnol and** **Sustainable Develop. 2: 015-020.** **Venkateswarlu, O. 2001. Correlation and path analysis in greengram. Legume Research –An** **International Journal. 24 (2): 115-117.** **Wesly, K.C., Nagaraju, M and Roopa, L.G. 2020. Estimation of genetic variability and divergence** **in greengram Vigna radiata (L.)Germplasm. Journal of Pharmacognosy and Phytochemistry.** **9(2): 1890-1893.**	
Minor REVISION comments	The title is related to our journal framework. The entire manuscript must first be adjusted to the exact format of the journal. The abstract should be brief and useful. Rewrite the introduction. Literature review means what studies have been done on the topic and what are you saying now. All the equations must be numbered and then their references should be mentioned. All of them should be mentioned in the text. The research method and data collection method should be clarified. References should be written based on APA and powered. Research limitations and suggestions for further studies should also be presented. The all text should be correction about grammar mistakes.	
Optional/General comments		

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:

Name:	**Shahram Gilaninia**
Department, University & Country	**IAU, Iran**