Review Form 1.7

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_101743**
Title of the Manuscript:	**Study on different sources of organic manures in comparison with RDF on growth and yield of sorghum (Sorghum bicolor (L.) Moench)**
Type of the Article	**Original Research 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.journalijecc.com/index.php/IJECC/editorial-policy)

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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)	• Sorghum is considered as a vital crop in providing food for millions of people residing in semiarid tropics. It is preferred over other forage crops due to its amazing resilience and adaptability to different soil and climatic conditions. • Sorghum has a higher nutrient demand compared to other fodder crops, among the important elements, nitrogen is highly mobile and is vital throughout the entire growth period of a crop. • By uniting the use of chemical fertilizers and organic manures, enduring fodder production can be reached.	
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?**	o Yes, the title of the manuscript is appropriate enough. o Yes, the abstract written is comprehensive. • Yes, they are appropriate enough addressing various significant aspects and illustrating the general sub-sections *viz.*, Abstract, Introduction, Materials and Methods, Results and Discussion, and Conclusion as well. ▪ In addition, the statistical analysis has been well exemplified and the data has been documented articulately in tabular forms. ▪ The graphical presentations are vividly depicted.	
5. Do you think the manuscript is scientifically correct?	o The study cited that the disproportionate and unregulated use of chemical fertilizers has undesirably impacted soil health and resulted in diminishing productivity. o Hence, the study has addressed the use of, integrated nutrient management (INM) as a latent alternative as it ensures high productivity and also helps avert soil degradation. o Naturally, mature manure is recognized as an organic substance that augments the physical, chemical, and biological properties of the soil and thus has been widely employed in the cultivation of various crops. o The findings of the study revealed that the application of RDF with vermicompost and farmyard manure resulted in an improvement in the growth and yield of sorghum by improving the soil fertility status over the rest of the treatments.	
6. Are the references sufficient and recent? If you have suggestion of	• The references are topical. Try to add up 1-2 more references.	

additional references, please mention in the review form. **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**		
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	• Abstract, 4th line: in a randomized- add an article. • Materials and methods, 1st line: In order- add a space. • Materials and methods, 2nd line at the south farm- add an article. • Pg. no.2, 3.1.1, 3rd line: at the harvest- add an article. • Pg. no.2, that the highest-add an article, wherever necessary. • In conclusion: Therefore, the application of RDF with vermicompost and farmyard manure resulted in an improvement in the growth and yield of sorghum by improving the soil fertility status over the rest of the treatments- Correct the usage of articles. • The usage of the English language is appropriate and well suitable for scholarly communications	
Optional/General comments	o The data had been subjected to statistical analysis of the variance method. o Overall, the manuscript has been succinctly chronicled and well-presented with related statistical observations that have been documented in the form of fine Tabular forms along with vivid graphical pictures.	

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:	**Asma Jabeen**
Department, University & Country	**Indian Institute of Rice Research, Osmania University, India**