

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_122397
Title of the Manuscript:	A Comparative Study of Multivariate Clustering Algorithms for Climate Variables and Chickpea Production in Dharwad District of Karnataka
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Review Comments: Accepted the Manuscript</p> <p>Based on the following analysis I accept the manuscript</p> <ul style="list-style-type: none"> • The data analysis taken by the author is good, and a large amount of data was collected. • The literature review explained more details about the existing cluster analysis. • The result of DBSCAN Clustering algorithm, K-Means clustering algorithm, Hierarchical clustering algorithm used comparison of climatic variables and production of Silhouette Coefficient validation outcomes of different values based on that K-Means cluster had a higher outcome compared to the remaining two algorithms, similarly Calinski-Harabasz Index and the Davies-Bouldin Index. • The results of DBSCAN Clustering algorithm, K-Means clustering algorithm, Hierarchical clustering algorithm Clustering validation used comparison of year wise its highest in hierarchical clustering for the mentioned years. • The conclusion was given based on the analysis, which satisfied the validation done in the article. 	

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>	

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