

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_123920
Title of the Manuscript:	Prediction of maize crop yield using principal component analysis of weather parameters
Type of the Article	

General guidelines for the 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 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 <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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>	<p>Review for article ID: Ms_IJECC_123920 "Prediction of maize crop yield using principal component analysis of weather parameters" Question 1: the models utilized in this work consider the principle components for prediction but there is no reference provided, what is the importance of taking the principle components (PC) for prediction, as the PC's are extracted from higher dimensions how are they useful. Question 2: There is a division of training, test 17 years and 4 years for prediction for all the models which is 80,20% is there any change in the if it is 70,30 and 90,10 provide the comparison. Question 3: All models 1 to 5 have utilized MLR equation for prediction, why not other prediction models with multivariate analysis, have there any observations done? If done then provide the information in the article. Question 4: Why there is a change in the variable from model 1 to 5 any specific reason, mention it in article.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>		
<p>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.</p>		
<p>Are subsections and structure of the manuscript appropriate?</p>		
<p>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.</p>		
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>		
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>		

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PART 2:

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

Reviewer Details:

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