

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_94914
Title of the Manuscript:	Studying on crop response model for grapes under climate change scenario: statistical study approach.
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>)

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	<ol style="list-style-type: none"> 1. The main finding of the paper is best-fit model for predicting grape yield but multi-scale studies like local climatic constraints and other weather factors and opportunities are not considered clearly. 2. In addition, I found that climate data sources were not systematically clearly presented, and that climate uncertainty was hardly accounted for. 3. Moreover, only a small number of comparisons have assessed by using algorithms like MLR,ANN,ELNET but how can you justify with previous researchers methodologies as you are stating that your model has best-fit model for predicting grape yield without proper comparing with existing work, therefore you need to show in detail and clearly in the result and discussion that how your model accuracy is best. 4. Previous research gaps and limitations have not properly mentioned due to lack of proper literature review. 	
Minor REVISION comments	<ol style="list-style-type: none"> 1. Firstly in the methodology part equations might be given sequence numbers and proper citations 2. Model performance metrics not shown clearly 3. This developed model had been statistically tested for its predictive ability is very specific to a particular region climatic; it could have been tested in general for various weather condition factors in any regions could have much impact in this research. 	
Optional/General comments	<ol style="list-style-type: none"> 1. More Literature review or background study is needed in this related research issue 	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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