

## Review Form 1.6

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_90238
Title of the Manuscript:	Comparison of linear and non-linear models for coconut yield prediction in Coimbatore using weather parameters and external factors.
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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"><li>1. The article is fascinating because it uses modern statistical methods other than the MLR (classical regression).</li><li>2. Of the five methods used, four are nonparametric (Ridge, LASSO, ELNET, and ANN), while one method (MLR) is parametric.</li><li>3. The nonparametric method does not require assumptions in its analysis, while the parametric method requires assumptions.</li><li>4. Parametric methods can be used if they meet the assumptions. In this case, the MLR method can be used if it fulfills the following assumptions: no multicollinearity, no heteroscedasticity, no autocorrelation, and normally distributed error. If one of the four assumptions is not met, then the MLR model cannot be used.</li><li>5. The recommendation only uses the nonparametric method because it is more flexible with coconut yield data.</li></ol>	
<b>Optional/General</b> 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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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