

### Review Form 3

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_123023</b>
Title of the Manuscript:	<b>Enhanced tobacco yield prediction using spatial information and exogenous variable-driven machine learning models</b>
Type of the Article	<b>Research article (ML model prediction)</b>

#### **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

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This article effective shows the tobacco yield prediction in Garnepudi village, near Andhra Pradesh using ARIMAX, MLR, SVM ML Models. A detailed comparative study has been carried out and it is found that XG boost model provides best results.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	No, the abstract is quite good	
Are subsections and structure of the manuscript appropriate?	yes	
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.	This article clearly provides potential data and calculations carried out for showing best results by comparing various ML algorithms for providing the best yield of tobacco crop	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	yes	
<b>Minor</b> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
<b>Optional/General</b> comments	nil	

#### PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

#### Reviewer Details:

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