

### ReviewForm3

JournalName:	<b>JournalofExperimental AgricultureInternational</b>
ManuscriptNumber:	<b>Ms_JEAI_121212</b>
TitleoftheManuscript:	<b>ApplicationofUnivariate TimeSeriesModelsforForecastingArea,Production,andProductivityofAmanRiceinJalpaiguri</b>
Typeofthe Article	<b>ResearchArticle</b>

**ReviewForm3**

**PART1:ReviewComments**

<b>Compulsory</b> REVISIONcomments	Reviewer'scomment	Author'sFeedback(Pleasecorrectthemanuscriptandhighlightthatpartinthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedbackhere)
Please write a few sentences regarding the importanceofthismanuscriptforthescientificcommunity.Whydoyou like (or dislike) this manuscript? A minimum of 3-4sentencesmaybe requiredfor thispart.	This study uses data from 1977-2022 to represent the area, production, and productivity of Aman ricein Jalpaiguri district using two popular time series modeling methods: ARIMA and GARCH. Acomparison of the models based on the lowest RMSE, MAPE, and MAE values showed that ARIMAmodeled performed better in training on all three series. GARCH models performed better on area andproduction,whereasARIMAmodeled performedbetteronproductivityinthetestperiod.Overall ,AR (1) - GARCH (1,1) on Aman rice area, production, and productivity were the best-fitted models. I likethenumericalsimulationtechniquesbecause allofthemare well-known.	
Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)	Thetitlereflectsthe study well.	
Is the abstract of the article comprehensive? Do yousuggesttheadition(ordeletion)ofsomepoints inthissection?Please writeyour suggestionshere.	Theabstract containsallthenecessary topics.Itisenoughto describethestudy.	
Aresubsectionsandstructureofthemanuscriptappropriate?	Thestructureofthemanuscriptisappropriate.	
Please write a few sentences regarding the scientificcorrectness of this manuscript. Why do you think thatthis manuscript is scientifically robust and technicallysound? A minimum of 3-4 sentences may be requiredforthispart.	This manuscript contains a lot of visible figures and its descriptions. The mathematical anlysis hasbeen existed as well as the numerical simulation techniques are well known. For that reason, the resultwillbe utilisedforAmanrice acreageandproductioninJalpaigurifornutritionalsecurity.	
Areferencessufficientandrecent? Ifyouhavesuggestions of additional references, please mentionthem inthe review form.	Pleaseaddsomerecentarticlesinthereferencessection. Thesemustbecitedinyourmanuscriptthatwillimprove your manuscript.	
MinorREVISIONcomments  Isthe language/Englishqualityofthearticlesuitable forscholarlycommunications?	Pleasecheckthegrammarinyourmanuscript,especiallythearticleandtheformofverbs.	
<b>Optional/General</b> comments	MinorRevision	

**Review Form 3**

**PART 2:**

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

**Reviewer Details:**

Name:	<b>Uzzwal Kumar Mallick</b>
Department, University & Country	<b>Khulna University, Bangladesh</b>