Review Form 3

Journal Name:	**Journal of Scientific Research and Reports**
Manuscript Number:	**Ms_JSRR_131422**
Title of the Manuscript:	**Forecasting of Cropping Intensity of Kerala in India: a Multivariate Approach**
Type of the Article	**Original Research Article**

<mark>**PART 1:**</mark> **Comments**

	Reviewer's comment **<mark>Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.</mark>**	Author's Feedback *(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. A minimum of 3-4 sentences may be required for this part.	In order to assess and predict cropping intensity in Kerala, an area with considerable agricultural potential, this publication uses a strong multivariate method, which makes it valuable to the scholarly community. The study uses Vector Auto Regressive (VAR) modeling to give a data-driven knowledge of how important variables including annual rainfall, net cropped area, and gross cropped area affect cropping intensity over time. In addition to providing information on past patterns, the results are a useful tool for researchers, legislators, and agricultural planners looking to maximize land usage and boost output. Moreover, the study's methodology can be modified for comparable agroclimatic zones, supporting more comprehensive agricultural forecasting and environmentally friendly farming methods.	
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.	The abstract does a good job of summarizing the main conclusions, methods, goal, and implications of the study. However, the following changes can increase its comprehensiveness and clarity: Clarification of the Objective: The abstract might specifically state that cropping intensity forecasts is aimed at enhancing resource optimization, sustainability, or agricultural planning.	
Is the manuscript scientifically, correct? Please write here.	The abstract suggests that the work is scientifically sound, using the Vector Auto Regressive model, a suitable multivariate statistical approach, to anticipate and analyze cropping intensity in Kerala. Understanding agricultural trends requires an understanding of the variables chosen, which include gross cropped area, net cropped area, and yearly rainfall.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Its ok	
Is the language/English quality of the article suitable for scholarly communications?	yes	
<u>**Optional/General**</u> comments	**Nil**	

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	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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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