

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_125495
Title of the Manuscript:	Estimation of rice crop acreage in Kuttanad Region, Kerala using Landsat 8 OLI IMAGES and GIS Techniques
Type of the Article	Original Research Article

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<ul style="list-style-type: none"> This manuscript is to aid in preharvest prediction of agricultural production and policymaking. This manuscript is the original work. They selected Kerala's Kuttanad region which is famous for rice cultivation. Very importantly, Kuttanad is historically important in the ancient history of South India and is the major rice producer in the state. Farmers of Kuttanad are famous for Biosaline Farming. So they handled the recent year 2023-2024. And also The total rice area delineated during the <i>Puncha</i> season was 43,550.28 hectares. 	
Is the title of the article suitable? (If not please suggest an alternative title)	<ul style="list-style-type: none"> Yes. Only One suggestion is "Prediction of rice crop acreage in Kuttanad Region, Kerala using Landsat 8 OLI IMAGES and GIS Techniques". <p>If possible can change like this.</p>	
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.	<ul style="list-style-type: none"> Yes, the abstract of the article comprehensive. Can add this point into the Abstract: "The study provides insights into the spatial distribution and extent of rice fields, crucial for optimizing resource use and addressing challenges unique to Kuttanad, such as waterlogging. The results are expected to have significant implications for food security and climate resilience in the region". 	
Are subsections and structure of the manuscript appropriate?	Yes. All are Good and well formed.	
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.	<ul style="list-style-type: none"> It ensures the credibility and trustworthiness of research within the scientific community and for the public as well as farmers. Methods, data, and processes were clearly reported, allowing others to scrutinize and assess the validity of the research. Proper citations and acknowledgment of other scientists' work ensure intellectual honesty. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	38 references are listed. But not recent ones. Should include recent references.	

Review Form 3

Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes. The language/English quality of the article suitable for scholarly communications.	
Optional/General 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:

Name:	M. Saranya
Department, University & Country	P.K.R. Arts College for Women, India