

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_129126
Title of the Manuscript:	Remote Sensing-Based Identification of Wheat Crops in Anand, Gujarat Using Sentinel-2B Imagery
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	Comparative analysis revealed that the random forest method consistently outperformed other classifiers, with MD, SVM, and sCART following in accuracy for Sentinel-2 imagery. Acreage estimation, employing both supervised and unsupervised classification techniques, involved the multiplication of spatial resolution with the number of pixels. The RF classifier estimated 69 thousand hectares (2019-20) and 64 thousand hectares (2020-21), aligning closely with the district statistical yield data of 61 thousand hectares (2019-20) and 58 thousand hectares (2020-21). In contrast, the accuracy of the sCART and SVM classifiers was notably lower at 46% and 36%, respectively, when compared with the statistical yield data.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes it is.	
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.	Yes it is.	
Is the manuscript scientifically, correct? Please write here.	Based on the work findings, it is correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Most of them are not recent.	
Is the language/English quality of the article suitable for scholarly communications?	Yes it is.	
Optional/General comments	<ol style="list-style-type: none"> All abbreviations should be defined in full the first time they appear in the title, abstract, main text, and figure or table captions, even if they are well known in the field. E.g. Minimum Distance (MD). Please use only the abbreviation for the second occurrence. Please try to modify all corresponding parts in your work. Please put "Sentinel-2 imagery" instead of "Sentinel-2" in your Keywords section It is essential to add paper organization at the end of Introduction section. Please use "Conclusions and Possible Future Works" section instead of Conclusions section. Please modify your references with the recent (2022, 2023, and 2024) published and updated references. 	

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PART 2:

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

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