Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	**Ms_IJECC_131037**
Title of the Manuscript:	**Using Machine Learning and GIS to Monitor Sandbars along the River Niger in the Niger Delta, Nigeria**
Type of the Article	**Research**

<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.	**The study emphasis the importance of advanced monitoring technologies for effective riverine ecosystem management and sediment regulation along the River Niger in the Niger Delta, Nigeria.** Object-Based Image Analysis is employed to identify and map sand bars, while Support Vector Machines automate classification to ensure precision and recall metrics. ArcGIS 10.5 tracks temporal changes, revealing significant morphological shifts influenced by both natural processes and human activities	
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.	**Yes, the abstract is ok**	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically sound	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Reference not as per journal format. Kindly follow the journal format 63,65 like that… most of the reference not in the journal format	
Is the language/English quality of the article suitable for scholarly communications?	YES	
<u>**Optional/General**</u> comments	**Overall, the paper is well written and accepted for publicatoin with minor revision.** **IN introduction, "By analyzing historical and contemporary satellite imagery, the project aims to gain a deeper understanding of sandbar dynamics and their response to environmental and anthropogenic pressures" kindly rewrite the sentence.** **Overall the paper is well written with lot of information on Sand bar studies using Machine learning and GIS tools. Hence, it is accepted as per the journal norms after minor correction.** **Overall the paper is good.**	

	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)*	

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