

**Review Form 3**

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_125781
Title of the Manuscript:	<b>Assessment of socioeconomic vulnerability in a few selected villages in Gosaba Block of Sundarban, India by Artificial Neural Network</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>The manuscript is important because it draws attention to the Indian Sundarbans' socioeconomic vulnerability, an ecosystem that is vital to biodiversity. The study provides data-driven insights by identifying critical aspects that contribute to this susceptibility through the use of an ANN prediction model. The holistic method of evaluating sensitivity, adaptive ability, and exposure offers a thorough grasp of the community's resilience. The results can direct focused activities to improve financial and social capital, which will ultimately lower vulnerability.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>It's about there, but to make it more readable and clear, I would make a small adjustment:</p> <p>"Assessment of Socioeconomic Vulnerability in Selected Villages of Gosaba Block, Sundarban, India Using an Artificial Neural Network"</p> <p>This phrase flows better and ensures your focus on the socioeconomic vulnerability aspect is clear.</p>	
<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.</p>	<p>This abstract is fairly comprehensive; it covers the study's methodology, context, and important findings. Nevertheless, it could be made more readable and clear by tightening up a few sentences. For example, making sure that longer sentences are consistently spaced out and broken up can help. The study's purpose, approach, and the significant vulnerabilities found in the chosen villages are all thoroughly conveyed.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are appropriate.</p>	
<p>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.</p>	<p>This manuscript exhibits scientific robustness by means of a thorough methodological approach and the application of sophisticated analytical techniques such as Principal Component Analysis (PCA) and Artificial Neural Networks (ANN). Comprehensive and trustworthy results are guaranteed by employing an integrated and well-defined methodology to assess socioeconomic risk. The study's statistical power and validity are increased by the large sample size of 160 families. Additionally, the manuscript's theoretical soundness and practical significance are highlighted by the unambiguous identification of important susceptibility variables and recommendations for policy solutions.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are sufficient and recent.</p>	
<p><b>Minor</b> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language/English quality of the article suitable for scholarly communications.</p>	
<p><b>Optional/General</b> comments</p>		

**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>Todowede, Babatunde Joel</b>
Department, University & Country	<b>Lagos State University, Nigeria</b>