

Review Form 3

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_122072
Title of the Manuscript:	On some stochastic models of the climate change
Type of the Article	

Review Form 3

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.	This research makes a significant contribution to the field of climate change modeling, particularly in its innovative application of fractional Poisson-Gamma models and fractional Brownian motion. The insights gained from this study are valuable for improving predictions of rainfall patterns and understanding the dynamics of oxygen production in oceanic ecosystems.	
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.	No	
Are subsections and structure of the manuscript appropriate?	Yes	
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"> • The research effectively connects its modeling approaches to critical aspects of climate change, particularly in the context of oceanic ecosystems. • The use of fractional Brownian motion to model the complexities of natural systems is particularly commendable. • The research contributes to the development of more informed and effective strategies to combat the adverse effects of climate change. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Spelling mistake in Page No. 21	
Optional/General comments	The manuscript is recommended for publication with minor revisions, particularly focusing on enhancing the clarity of the methodological sections and providing empirical validation of the proposed models.	

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>	

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Reviewer Details:

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