Review Form 3

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_122332**
Title of the Manuscript:	**Rainfall Pattern Analysis and Change Point Detection: Kodagu District, Karnataka**
Type of the Article	**Original Research Article**

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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.	The variability in rainfall distribution not only affects agricultural output but also impacts water availability, hydroelectric power generation, and livelihoods across the country. Knowing the rainfall pattern is crucial in agricultural productivity, water resources, and overall economic stability in India.	
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.	**Comprehensive**	
Are subsections and structure of the manuscript appropriate?	**No**	
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.	**1. Need the size of the data set 2. Show the sample dataset to know the parameters in the data set 3. Train test split 4. What are p and Tau values 5. Redraw the figures, fig. 2 is empty, fig. 3 reduce y-axis scaling 6. In 3.2 given statement that LR model doesn't provide strong fit, authenticate this statement 7. In 3.4 clash of statements in table 4 and table 5(Monsoon season is June to September) showing increasing trend in table 4 but no trend in table 5. 8. Explain statistically significant trend of 5% and 1% levels 9. Give sample calculations of z, p, Tau and sens slope estimator 10. Give the basis to finalise Increasing trend or No trend 11. Missing explanation of notable change point in year 2003 and fig. 5 is empty 12. Instead of finalising with one method do also with other methods like Pettitt test and Standard Normal Homogeneity test 13. Give conclusion based only on any one parameter like year in all the test methods or months in all the test methods or seasons in all**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	**Sufficient**	
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**		
Optional/General comments		

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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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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