

## Review Form 1.6

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_93271</b>
Title of the Manuscript:	<b>Trend analysis of rainfall in Telangana state using advanced statistical approaches</b>
Type of the Article	<b>Original Research Article/Paper</b>

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy> )

### PART 1: Review Comments

	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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"> <li>1. For abstract part, you have to merge the aim, data description, methodology, result and conclusion as a one paragraph (don't be separated).</li> <li>2. Add Sen's slope estimator method to the methodology in abstract and keywords, because it is mentioned on Introduction and Material and Method Part.</li> <li>3. Mention Wallis-Moore Test on the introduction part, especially on this part : Further, paper is arranged in different sections as; the methodological frame work begins with basic descriptive statistics, linear regression trend, Mann-Kendall test, Sen's slope estimation, Modified-Mann Kendall test and Innovative trend analysis.</li> </ol>	
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>1. On Trend Analysis Part, please give an explanation or the formula for Wallis-Moore Test, you can make it to 2.2.5 part.</li> <li>2. On 3.1 Part (Trend of Annual Rainfall), you said that : Modified Mann-Kendall test was used for the analysis as it was more efficient if the auto-correlation was present in the data. As the data was autocorrelated in nature modified Mann-Kendall test was used. Why Modified Mann-Kendall test was used for autocorrelated in nature ? Please give an explanation.</li> </ol>	
<b>Optional/General</b> comments	On Results and Discussion part, you mention : The highest values of skewness and kurtosis was found in March i.e., 3.57 rightly skewed and 15.93 indicating leptokurtic respectively. It is better if you give another analysis, why it gives the highest values in March ?	

### 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:

Name:	<b>Nadine Ayasha</b>
Department, University & Country	<b>Indonesia</b>