

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_109530</b>
Title of the Manuscript:	<b>A comparative analysis of the climate patterns of Cumilla District with different regions of Bangladesh: A Study of Temperature and Rainfall Trends</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 1.7**

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Partially it meets. The manuscript needs more scientific temper.</p> <p>Slight changes may be appreciated.</p> <p>Yes</p> <p>Yes</p> <p>May not be reached to scientifically standard.</p> <p>Follow the APA style in Reference section</p> <ol style="list-style-type: none"> <li>1. Maintain the unique word for the district or region: Cumilla or Comilla in the entire manuscript.</li> <li>2. Set Key words in standard format.</li> <li>3. Indicate the Year while using reports data released by the agencies such as World Bank and Global Climate Change Index etc.</li> <li>4. Linear Regression model is used for only Temperature and while the other two is only for Rainfall Data. Why are these three models not used for both Temperature and Rainfall?</li> <li>5. There is no relation has been noticed in the manuscript between the Temperature and Rainfall. How it is used to compare and predict each of the trend between the variables under study?</li> <li>6. How the Linear regression model is employed to study the Temperature? Is Temperature is in linear in nature? Justify and incorporate in manuscript with the suitable technique.</li> <li>7. As you mentioned the Cumilla district is better than for farming as compared with the other regions in Manuscript, which is contradiction as stated that the rainfall was going down in Cumilla district by Mann – Kendall and Sen's Slope statistics.</li> <li>8. In Section 4.2.2, how the average is equal to Max + Min? Justify.</li> <li>9. The authors considered 50 years of Dataset. There is nothing mentioned about test data for the prediction by the method of Linear Regression.</li> <li>10. There is need of transformation for manuscript into standard grammatical language.</li> <li>11. The employed methods are basic and well established in literature. So, What are the author ('s) contribution towards the Manuscript?</li> <li>12. Some part of the Text has been seem to be extracted from the Reports/Papers/Books etc.</li> </ol> <p><b>The manuscript in present form is not recommended for acceptance. There is a need for Serious Major Revision of the Manuscript.</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Needs more attention and there is a need for improvement of language.</p>	

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<b>Optional/General</b> comments		
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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Department, University & Country	<b>Kaloji Narayana Rao University of Health Sciences, India</b>