

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_98119
Title of the Manuscript:	Climate change data: use of an autoregressive (AR) model in presence of change points under a Bayesian approach
Type of the Article	Original Research Article

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)
Compulsory REVISION comments		7.
<ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments) 	<ol style="list-style-type: none"> 1. The manuscript applies statistical model to temperature change data, extracted from Research Data Archive site, at four climate stations namely Aberdeen, Geneva, Charleston, and Ankara. The behavior of the climate times series for possible change-points is explored. Thus, the manuscript provides a good knowledge base for environment science. 2. The title of article seems to be appropriate to the subject matter. 3. Abstract of the article is an extract of the contents in the article. 4. Subsections and structure of manuscript are appropriate. 5. Manuscript provides sufficient statistical analysis and inferences about the temperature change data at various geographical locations. Hence, has a scientific base. 6. References are sufficient and appropriate. Although considering the requirement of the topic old references are acceptable. 	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	English quality of the article is quite good and can be acceptable for scholarly communications.	
Optional/General comments	Global environment and climate change analysis is essential for understanding the impact on human life. In the view of this, present article provides a good insight into the global climate change.	

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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