

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_110011
Title of the Manuscript:	Potential Factors Affecting the Spatiotemporal Features of Sunshine Duration in Saudi Arabia Between 1983 and 2022
Type of the Article	Identifying the inevitable climatic factors affecting the temporal and spatial characteristics of sunshine in the Saudi Arabia for the period 1983-2022.

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- The manuscript is very important, in its title and the style of its content, especially in light of the climate changes that have greatly affected the overall climatic elements on the surface of the Earth.</p> <p>2- Potential Factors Affecting the Spatiotemporal Features of Sunshine Duration in Saudi Arabia Between 1983 and 2022</p> <p>3- Yes, the researcher comprehensively discussed the abstract and was adept at explaining the most important findings of his manuscript.</p> <p>4- Yes, it has a good structure.</p> <p>5- Yes, the manuscript in terms of its scientific sections.</p> <p>6- Yes, the references are sufficient, but the researcher must update his references because approximately 6 references are very old. Additionally, the researcher must add some sources to the topic of discussion.</p>	<p>We thank the reviewer for his overall positive assessment of the study and his highly constructive comments that have helped us to improve the manuscript significantly.</p> <p>1. We gladly accept your comment and update the reference.</p>
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1- Yes, the writing language of the manuscript is very good and understandable.</p>	
<p>Optional/General comments</p>	<p>1-The researcher did not focus on the pressure systems affecting the amounts of rain falling on the Kingdom of Saudi Arabia</p> <p>2-The researcher did not give reasons for his results, especially regarding the variation in the duration of sunshine between winter and summer.</p> <p>3-The researcher did not indicate the statistical method he used in drawing the research maps, for example, idw..</p> <p>4-In the topic of discussion, the researcher must add some sources that dealt with the variation in sun brightness in the region, especially the Middle East.</p> <p>5-The researcher must confirm how to handle missing data for sunshine duration in the study area.</p> <p>6-Why, the researcher did not focus on changes in selected climatic elements affecting the duration of sunshine in the study area and focused on statistical analysis only?.</p>	<p>1. Thanks for the comment. This time we didn't the pressure system affecting the amount of precipitation in the kingdom. Hopefully, we will consider it for our future study.</p> <p>2. We gladly accept your suggestion and include the reasoning for the variation of SD between summer and winter.</p> <p>3. For the present study, the kriging method was adopted for the spatial distribution map preparation.</p> <p>4. We have added in the manuscript.</p> <p>5. For missing data, mean interpolation methods were adopted.</p> <p>6. For the present study, our primary focus on the sunshine duration.</p>

Review Form 1.7

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)	