

Review Form 3

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_121984
Title of the Manuscript:	Albedo, solar flux and climatic parameters variations in Burkina Faso
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>The manuscript addresses a relevant and timely topic, focusing on the variations in albedo, solar flux, and their impact on climatic parameters in Burkina Faso. However, the study's broader significance could be questioned due to its regional focus. While the findings are valuable for understanding local climatic trends, the manuscript lacks a comparison with similar studies from other regions, which limits its generalizability. The authors could strengthen the manuscript by discussing how these findings might be relevant or extrapolated to other regions with similar climatic conditions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title, "Albedo, solar flux and climatic parameters variations in Burkina Faso," is accurate but somewhat generic. It could be made more specific by mentioning the study period or highlighting the key findings. For example, a title like "Long-term Variations in Albedo, Solar Flux, and Climatic Parameters in Burkina Faso (1984-2022)" might better capture the scope and timeframe of the research.</p>	
<p>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.</p>	<p>The abstract provides a general overview of the study but lacks detail regarding the methodology and the statistical significance of the results. It would benefit from a clearer explanation of how the data were analyzed and what specific trends were observed in each climatic zone. Additionally, the implications of the findings, particularly in terms of policy or climate adaptation strategies, are not sufficiently emphasized. The abstract should also mention any limitations or uncertainties in the data.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript is well-structured, with clear sections for methodology, results, and discussion. The authors report on trends and correlations but do not delve deeply into the potential causes or implications of these findings. A more critical analysis, comparing the results with existing literature and discussing potential mechanisms behind the observed trends, would improve this section. Additionally, the conclusion could be strengthened by offering more specific recommendations based on the findings.</p>	
<p>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.</p>	<p>The study appears scientifically sound, but there are concerns about the depth of the analysis. Additionally, the authors should address the limitations of their data sources, such as the accuracy and consistency of historical albedo measurements.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are generally adequate, but there is a notable reliance on older studies. Incorporating more recent research, particularly studies conducted in the last five years, would help position this study within the current scientific discourse.</p>	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>There are some minor grammatical errors and awkward phrasing throughout the manuscript. For example, in the abstract, the sentence "Low solar activity and solar high-speed flows caused by regions of corotative interactions lead to heavy precipitation" could be rephrased for clarity. I recommend a thorough proofread to improve readability and ensure consistency in terminology.</p>	
<p>Optional/General comments</p>	<p>The methodology section could benefit from more detailed explanations, particularly concerning the data sources. For example, it would be useful to include a brief discussion on the reliability of the datasets used (e.g., albedo measurements, solar flux data). This would help readers understand the potential limitations of the study.</p> <p>The figures and tables are informative but could benefit from clearer labeling. For instance, in Figure 2, the axes should be more explicitly labeled with units of measurement. Additionally, it would be helpful to provide a brief explanation of the significance of the trends observed in each figure within the figure captions.</p> <p>The references are generally well-cited, but there are inconsistencies in formatting. Some references lack full journal names or proper citation of page numbers. Please ensure that all references adhere to the journal's guidelines for citation style.</p> <p>The discussion section should include a brief acknowledgment of the study's limitations, such as potential biases in data collection or the generalizability of the results to other regions. This would provide a more balanced view of the study's conclusions.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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