



REVIEWER'S REPORT

Manuscript No.: IJAR-56525

Title: Investigation of the influence of solar activity on Total Electron Content (TEC) at the Koudougou station during recurrent geomagnetic activity during solar cycle 24: A detailed analysis

Recommendation:

- Accept as it isYES.....
- Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity		✓		
Significance		✓		

Reviewer Name: Mr. Javaid Ahmad Khan

Detailed Reviewer's Report

This research paper aims to examine the dependence of total electron content (TEC) on solar activity parameters such as the sunspot number (SN) index, the F10.7 solar radio flux and the EUV flux. In this manuscript the Abstract is written in a detailed format in which all things have been mentioned properly such as title, methods, sample results, etc., Also, the keywords are given properly. In the introduction part, the researcher has made link of introduction with the title and has given a detailed background effectively. The citations are also given properly. However, the researcher has used the hyperlinks in this introduction part which is not correct. You can provide the hyper link for more information only at reference section. So this thing should be changed. The Methodology is given in a proper way but research questions or objectives are **not** given properly, **they must be added**. Results are also given properly and they are given with statistical proofs and with necessary graphs. However, the educational implications, limitations and further suggestions are not given in this manuscript properly they should be added. Thus, this paper is accepted as it is.

Reason for Accepting as it is

Abstract is written properly with all important things such as sample, method, findings, etc. The keywords are given properly. In the introduction part, the researcher has made link of introduction with the title and has given a detailed background effectively. The citations are also given properly. The Methodology is given in a proper way. But the research questions or objectives are not given properly. Results are also given properly and they are given with statistical proofs and essential graphs. Thus, this paper can be accepted as it is.

Abstract

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In this manuscript the Abstract is written in a detailed format in which all things such as sample, method, findings etc. have been mentioned properly. Also, the keywords are given properly.

Introduction

In the introduction part, the researcher has made link of introduction with the title and has given a detailed background effectively. The citations are also given properly. However, the researcher has used the hyperlinks in this introduction part which is not correct. You can provide the hyper link for more information only at reference section. So this thing should be changed.

Methodology

Methodology is given in a proper way in this manuscript but the researcher has not mentioned the research questions or objectives properly. They should be mentioned.

Results

The result section is given in a proper way in this manuscript. The findings are given in detail with statistical proofs and necessary graphs.

Discussion

The discussion section in this study is given in a detail and but the researcher has not made comparisons of results with previous studies it should be added. Also, further suggestions, limitations and implications has not been provided by the researcher by which the validity of research papers decreases and becomes less effective. They should be provided.

Conclusion

Overall the research paper is good and important, and all important things have been mentioned properly so this manuscript is accepted as it is.