Review Form 1.6

Journal Name:	**Asian Journal of Physical and Chemical Sciences**
Manuscript Number:	**Ms_AJOPACS_91636**
Title of the Manuscript:	**Variability of f_o E in relation to the solar indices (R_z and F_(10.7)) at the equatorial ionosphere (Ouagadougou station)**
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.journalajopacs.com/index.php/AJOPACS/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	The paper 'Variability of foE in relation to the solar indices (Rz and F(10.7)) at the equatorial ionosphere' intends to present the correlation of the E-layer critical frequency with solar activity variation during the 21 and 22 solar cycles at Ouagadougou station located in the African equatorial region. The authors say in the abstract that the foE parameter correlation with solar activity at this station 'have not been formally evaluated', but the foE correlation with solar indexes during 20, 21 and 22 solar cycles, with the same data from Ougadougou station, was already investigated by Ouattara etal (2009, ANGEO), and is not cited in this paper. So the goal of this paper must be clearly presented. The authors conclude that noting new was obtained, and that the dependence of foE with solar indices used here was already proved by several researchers. Major revisions The introduction must be improved including the missing results already published in this subject. Methodology: I suggest to include in the analysis the solar cycle 20, which shows lower Rz values compared with 21 and 22. The analysis (plots figures 1 to 4) must consider the Rz and F10.7 values for all years not only at the specific four years you defined for the different phases. Conclusion: In the conclusion the authors confirmed that the results of this paper are not new, and are already known.	
Minor REVISION comments		
Optional/General comments	The paper must be completely revised to show the goal of the results, so needs major revisions to be acceptable for publication.	

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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