

Review Form 3

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_122084
Title of the Manuscript:	ASSESSMENT AND MODELING OF WORKPLACE EXPOSURE TO SOLAR ULTRAVIOLET RADIATION IN MAKURDI, NIGERIA
Type of the Article	Original Research 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>
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.	This article focuses on measurement of UV-intensity at three locations such as market, river bank and the university in Makurdi after calibrating the Dosimeter. It is important to design clothing considering safety of out-door workers. This study is useful for general population in the locality.	
Is the title of the article suitable? (If not please suggest an alternative title)	In the title modeling of workplace is vaguely written, as the article does not describe what is modelled, and can be removed if possible.	
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.	The abstract is comprehensive.	
Are subsections and structure of the manuscript appropriate?	The structure is fine.	
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.	The measurement instruments are used after the calibration. Hence the values of the UV radiation intensity are reasonable. The results are compared with standard UV radiation value as per ICNIRP. However, the method and result section need improvement.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The study happened during 2021 and includes references till 2021 and before.	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<ol style="list-style-type: none"> 1. The English needs improvement, use GPT for this. 2. How the use of the measurement instruments for UV radiation exposure in chosen areas is not elaborated in the materials. 3. How the measuring instruments placed on the Manikin, a figure describing it will be encouraged. 4. What each of instruments measure, reference to those instruments are missing. 5. How the participants are recruited for the study as traders, Fishermen, and student?. Or it has been replaced by manikin! 6. The calibration method is not clear, what is the standard instrument used for calibration? Is the standard instrument if UV-meter or UV-spectrometer. 7. Is E and E_{ery} same in equation 2 and 3 ? Describe about the factor 25 in equation 3. 8. In Calibration results the duration of exposure at three sites are different, is there any reason for that? 9. Is there any reason of different exposure times of 60 minutes, 10 minutes, and 30 minutes? 10. In "Calculated UV Index for the Sampling sites", how you got the E_{ery} of 227.3, 191.7, 194.5 for WM, BSU, RB? 	
<p>Optional/General comments</p>	<p>Fine</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>	

Reviewer Details:

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