

## Review Form 1.7

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_112583</b>
Title of the Manuscript:	<b>Effect of solarization on seed quality of bruchid infested and fresh cowpea (<i>Vigna unguiculata</i> (L.) Walp.) seeds during storage.</b>
Type of the Article	

### 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)
<b>Compulsory</b> REVISION comments  <b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  <b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)  <b>3. Is the abstract of the article comprehensive?</b>  <b>4. Are subsections and structure of the manuscript appropriate?</b>  <b>5. Do you think the manuscript is scientifically correct?</b>  <b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>  <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<b>1.</b> Yes, the work itself is interesting, now that we're talking about the effects of climate change on crops and also the increase in the human population. 1. Farming practices: knowing the right methods for protecting seeds, as infested seeds can have a significant effect on their market and consumption value. This will help farmers and agricultural professionals to implement effective conservation strategies. These include the use of solarisation for a period of time to minimise bruchid damage and maintain seed quality.  2. Scientific knowledge and research: the study of the effect of solarisation on the quality of fresh cowpea seeds infested with bruchids during storage will contribute to the knowledge of the role played by solarisation against bruchid attacks on cowpea seeds and seed quality. It should be noted that the most widely used and marketed cowpea product is the seed, and that insect attacks occur in the field during the flowering period. Conservation of cowpea seed is difficult, so finding methods to improve seed quality is very important and allows for more effective conservation. Successful conservation is a step towards improving the crop.  <b>2.</b> Yes, that's right.  <b>3.</b> No, as I indicated in the text, the abstract must include these different parts: introduction, methods, results and conclusion.  <b>4.</b> Not quite, because there is no conclusion and the sub-sections must be included in the "materials and methods" section.  <b>5.</b> Yes, but there's still room for improvement.  <b>6.</b> References are inadequate and out of date These few articles : Kalpna et al, (2021) Management of stored grain pest with special reference to <i>Callosobruchus maculatus</i> , a major pest of cowpea : A review. <a href="https://doi.org/10.1016/j.heliyon.2021.e08703">https://doi.org/10.1016/j.heliyon.2021.e08703</a> Yaseen et al, (2019). Insect pest infestation during storage of cereals, pulses and oilseeds. <a href="https://doi.org/10.1007/978-3-030-24903-8_8">https://doi.org/10.1007/978-3-030-24903-8_8</a>	3. Abstract is modified as per suggestion 4. conclusion is added 6. Modified as per suggestions
<b>Minor</b> REVISION comments  <b>1. Is language/English quality of the article suitable for scholarly communications?</b>	Yes, the quality of the language is appropriate	
<b>Optional/General</b> comments		

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