

**Review Form 3**

Journal Name:	<b>Asian Research Journal of Agriculture</b>
Manuscript Number:	<b>Ms_ARJA_122244</b>
Title of the Manuscript:	<b>Screening of Popular Groundnut Varieties Grown in North Gujarat Agroclimatic Zone against Aspergillus flavus In Vitro and Pot Condition</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> 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>This article is an importance of this manuscript for the scientific community. Because it shows the importance of groundnut as a legume crop an important food crop in the world and the third most important oil seed crop, how groundnut crop suffers from major diseases such as flavus rot caused by <i>Aspergillus</i> which are soil-borne, they produce a potent toxin and carcinogenic substance called aflatoxin. This toxin has a great impact on human health. The resistant varieties can be the most viable and economical approach to reduce this problem.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>I think the title of the article is inappropriate. I suggest that it be: Evaluation of groundnut varieties for resistance to seed infection by <i>Aspergillus flavus</i></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>I suggest the addition and deletion) of some points in this section. It would be better if the abstract were like this:</p> <p><b>ABSTRACT</b> Groundnut is a legume crop an important food crop in the world and the third most important oil seed crop. However, groundnut crop suffers from major diseases such as flavus rot caused by <i>Aspergillus</i> which are soil-borne, they produce a potent toxin and carcinogenic substance called aflatoxin. This toxin has a great impact on human health. The resistant varieties can be the most viable and economical approach to reduce this problem.</p> <p>This research consisted of two experiments, the first was conducted at the (name) Laboratory, while the second pot experiment was conducted in the glass house at the experimental station of the Department of ....., Faculty of ....., at the University of ....., (name country) during name month-name month put year. The objective of the experiment was to evaluation of groundnut varieties for resistance to seed infection by <i>Aspergillus flavus</i>. Ten varieties were tested (name of varieties). A (name of design) was used for this experiment, with (number) replications.</p> <p>Out of ten varieties tested against <i>Aspergillus flavus in vitro</i>, none of the varietyies was found resistant. The minimum seed infection (20.48%) was recorded in JL 501 and KAUSHAL, whereas the maximum (80.46%) in GJG 31, maximum seed germination was recorded in variety JL 501 (99.99%), whereas the minimum recorded in GJG 31(20.48%). The minimum mortality of germinated seeds (10.49%) was observed in the varieties GJG 9, GJG 32, JL 501, GG 20, GJG 22, and KDG 128, whereas the maximum in GJG 31 (30.48%). In the pot study, none of the varietyies was were found resistant or moderately resistant. The minimum seed infection (40.47%) was recorded with GJG 9, whereas the maximum (70.46%) in GJG 31. Maximum seed germination was recorded in variety GJG 9 (80.46%), whereas the minimum was recorded in GJG 31 (23.67%). The minimum seed mortality (10.49%) was observed in varieties GJG 9, TG 37A and KDG 128, whereas the maximum in GJG 31 (30.48%).</p> <p><i>Keywords: Aspergillus flavus, Groundnut, Screening</i> <i>Keywords: Groundnut, Aspergillus flavus, seed infection, Selected varieties</i></p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes the subsections and structure of the manuscript appropriate</p>	

### Review Form 3

<b>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.</b>	<b>I think this article is important to the manuscript for the scientific community. It shows how groundnut crop suffers from major diseases such as flavus rot caused by Aspergillus, which are soil-borne, they produce a potent toxin and carcinogenic substance called aflatoxin. This toxin has a great impact on human health.</b>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>Yes the references are sufficient and recent</b>	
<u>Minor REVISION</u> comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	There are linguistic errors that I have corrected that must be amended. after that, the English quality of the article will be suitable for scholarly communications	
<u>Optional/General</u> comments	non	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

Name:	<b>Mohamed Milad Mohamed Draweel</b>
Department, University & Country	<b>University of Tripoli, Libya</b>