

## Review Form 1.7

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_100526
Title of the Manuscript:	Studies on Genetic Diversity For Yield And Yield Contributing Characters In Sesame
Type of the 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.journalijecc.com/index.php/IJECC/editorial-policy> )

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**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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes, sesame is important oilseed crop and consistent efforts are required for the improvement of this crop. The findings of present study may also be useful for other breeders working on sesame improvement.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Recent references should be added in the different sections of manuscript.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Suggested to go through the manuscript for minor grammatical mistakes. Reframing of sentences is also required in some sections.</p>	
<p><b>Optional/General</b> comments</p>	<p><b>Reviewer's comment</b></p> <p><b>Title</b></p> <ul style="list-style-type: none"> <li>✚ Write conjunction and preposition words in small letters in the title</li> </ul> <p><b>Abstract</b></p> <ul style="list-style-type: none"> <li>✚ First sentence in the first line can be reframed by putting <b>at RARS, Jagtial</b> after genetic diversity. Last sentence is not clear, how JCS 2611, JCS 2454 and JCS 3599 genotypes can be used for better adaptation???</li> </ul> <p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>✚ 'It is commonly known as "Queen of oilseeds" due to its resistance to oxidation and rancidity, also it plays an important role as an industrial food crop because of its high nutritional value'. <b>Break the mentioned sentence in to two sentences.</b></li> <li>✚ 'Globally, sesame is produced over an area of 8.8 mha and annual production around 2.8 mt with average productivity of 382 kg/ha; <b>add reference of the mentioned data.</b></li> <li>✚ India is still leading country with maximum (25.8 %) production from the largest (29.8 %) area and highest export (40 %) in the world. <b>add reference of the mentioned data.</b></li> </ul> <p><b>Materials and Methods</b></p> <ul style="list-style-type: none"> <li>✚ The experiment was laid out at Regional Agricultural Research Station, Polasa, Jagtial, during <i>summer</i>, 2020. The experiment was laid out in Randomized Block Design (RBD) with two replications. Reframe these sentences to make one sentence as there is repetition of words</li> </ul>	

Comment [DA1]: Oilseeds

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	<p><b>'experiment was laid out'</b></p> <ul style="list-style-type: none"> <li>✚ Write <b>'data were recorded'</b> in place of 'data was recorded'</li> <li>✚ <b>Add reference of Mahalanobis D<sup>2</sup> statistics</b></li> </ul> <p><b>Results and discussion</b></p> <ul style="list-style-type: none"> <li>✚ <b>Relative contribution of different traits towards divergence</b></li> <li>✚ <b>Don't repeat values written in the table again in the result section. Interpret results in context to values obtained.</b></li> <li>✚ <b>Rajani Bisen <i>et al.</i> (2013), Ajay Tanwar and Rajani Bisen (2018) – Write references in the text as per the format of the journal.</b></li> <li>✚ <b>Figure 2 is not readable, difficult to study. Modify it to readable form</b></li> <li>✚ <b>Add latest references- 2020, 2021, 2022</b></li> <li>✚ <b>May identify genotypes for important yield and yield attributing traits so that findings may also be useful for other researchers working for the improvement of sesame.</b></li> </ul> <p><b>Cluster mean</b></p> <ul style="list-style-type: none"> <li>✚ <b>Don't repeat values in table and text</b></li> <li>✚ <b>May write results of cluster analysis concisely, results should be written and discussed on the basis of values obtained after analysis. Instead of discussing individual trait, may discuss overall performance of different genotypes in a cluster on the basis of mean performance of different traits under study.</b></li> </ul> <p><b>Conclusion</b></p> <ul style="list-style-type: none"> <li>✚ <b>Suggested not to repeat results in conclusion. Conclude the findings in the light of results obtained.</b></li> </ul> <p><b>References</b></p> <ul style="list-style-type: none"> <li>✚ <b>Write references as per format</b></li> <li>✚ <b>Write journal name in italics as per format.</b></li> </ul>	
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**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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	Anju Pathania
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