

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_123553
Title of the Manuscript:	Differential variability of maize (Zea mays L.) inbred lines to moisture-stress at reproductive stages and DNA methylation studies of identified contrasting inbred lines under moisture-stress conditions
Type of the Article	Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

<u>Compulsory</u> 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>The study is significant as moisture related stress has significant effects on the traits and quality of plants. A plants response to abiotic stressors is complicated and studies like this help to add key aspects to this wide area in plant biotechnology</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>yes</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>Yes it is comprehensive</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes</p>	
<p>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.</p>	<p>Manuscript is scientifically robust. However, few corrections as follows may be implemented. The figure 2: Higher frequency of sterile and irregular shaped pollen grains in the maize inbred (line 382) under moisture stress as compared to those in well-watered condition has been depicted in different quadrants of haemocytometer. It is a standard to read the four corner quadrants. It is suggested that the images of any of the four corner quadrants be added instead. Alternatively, regular slide images of the sample may be added for distinguishing between the sterile and fertile pollen grains. The Legend of the figure 2 does not correctly match the images: the higher frequency of sterile and irregular grains cannot be claimed as in these images. Standard deviations are not shown in Table 7, Table 8, Table 9 for the stress and control response values for anther and leaf.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>yes</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The conclusions' first sentence line 582 and subsequently the line numbers 585 -588 are contradictory. The conclusion may be modified to add the clear achievements of this study.</p>	
<p><u>Optional/General</u> comments</p>		

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PART 2:

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

Reviewer Details:

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