



**SDI Review Form 1.6**

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_49679
Title of the Manuscript:	Putative mechanisms of drought tolerance in maize (Zea mays L.) via root system architecture traits
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**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	Please re-format in-text citation according to the journal's requirement. "Trait interrelationships in particular determine the degree of association among traits". Please explain what kind of interrelationships. plant density of 24,000 plants/fed. What is fed? Table 3: Please do not show maximum and minimum but rather show standart error for the data. Reformat table 3. Same for table 4. Drought tolerance can be screened with other secondary traits in addition to root architecture. Please refer to " <a href="https://www.omicsonline.org/open-access/quantification-of-secondary-traits-for-drought-and-low-nitrogen-stress-tolerance-in-inbreds-and-hybrids-of-maize-zea-mays-l-101941.html">https://www.omicsonline.org/open-access/quantification-of-secondary-traits-for-drought-and-low-nitrogen-stress-tolerance-in-inbreds-and-hybrids-of-maize-zea-mays-l-101941.html</a> " manuscript for discussion of results for stress indices and other traits. Each and every section has not been discussed with previous results and findings. Please do this for all the results obtained. English language needs to be extensively improved.	-Okay, Done -It is understood ( It is the correlations among traits) -Corrected to be in hectares (ha)  -It is intentionally mentioned max and min to mention the genotype after the value between brackets. Also to show the range.  -Okay
<b>Minor</b> REVISION comments	For acreage and production, it ranks second to wheat among cereal crops in Egypt (References)? Chnege to "Root system architecture trait is important....." Table 5: Re-organiza table 5. Grain yield on the top and then WW, WSF.... On the lower row. What is Ch%? Conclusions section is very less. Please add more conclusions.	No need  Not understandable It is better to leave it as it is. Ch= Change (added) No need
<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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	