



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                                                         |
| Manuscript Number:       | Ms_IJBCRR_32087                                                                                                                     |
| Title of the Manuscript: | Comparison of antioxidant system and anaerobic metabolism in seedlings of contrasting maize genotypes under short term waterlogging |
| Type of the Article      | Original Research 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>)



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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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Minor</b> REVISION comments      | <p>- Authors should consider a complete English revision. In several places of the manuscript, the English language is not correct. For example, line 9-10, line 72-73, line 79-82.</p> <p>- Throughout the manuscript (text and Figures) authors use the word "content", and the correct in these cases is "concentration".</p> <p>- At the Results and Discussion section, authors should also compare Paras x Parkash maize cultivars, not only control x treatment. This is extremely important, since authors make statements that can't be done without a statistical test and statistical significance. For example, Line 264-265: "However, tolerant genotype (Parkash) exhibited lower content as compared to sensitive genotype (Paras) under control as well as waterlogging conditions". Line 267-268: "In root tissues also, the content of H<sub>2</sub>O<sub>2</sub> and MDA was lower in Parkash as compared to Paras under controlled as well as stressed conditions". These kind of statement can only be done if the statistical test is significative.</p> <p>- Authors should be careful with extrapolations. For example, line 238-239: "In present study, like SOD, CAT activity was also found to be increased under stress conditions in roots of both the genotypes"... however, when you look to Figure 1e, you see that there is no statistical difference between control and</p> | <p>Needful has been done and the same has been highlighted wherever modified.</p> <p>Needful has been done and the same has been highlighted wherever modified.</p> <p>Authors agree with the reviewer. The results have been revised accordingly and modifications done have been highlighted at appropriate places with yellow colour. And the results have been analyzed Statistically by student's <i>t</i>-test and the level of significance has been highlighted as a or b in the figures as legends and the explanation of the same has been mentioned in the figure caption.</p> <p>Authors agree with the reviewer comment that CAT activity has shown very marginal increase in the roots of the genotype. The statement has been suitably modified and highlighted.</p> |



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|                                         | treatment of both root cultivars.                                   |  |
| <b><u>Optional/General</u></b> comments | In my opinion, the manuscript can be accepted after minor revision. |  |