

Review Form 1.7

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_110714
Title of the Manuscript:	Boron toxicity induced oxidative stress, ultrastructural and elemental composition changes and association of Fe-SOD with Boron tolerance in rice seedlings
Type of the Article	Research Article

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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)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	1. Micronutrient application is important to get maximum productivity. But higher dose effects production drastically especially panicle formation and for grain setting. This is a novel study and is the good addition in this domain. 2. Title needs to be rephrased. There is no symmetry in the title. 3. How the author has defined that seedlings have different boron tolerance. Please define it in manuscript. 08 days are enough to get these phenomena. Please correlate it with literature. 4. Rephrasing is needed 5. Yes its fine 6. Some of the references are not recent. Please try to incorporate recent citation expect protocol reference where the prevailing method has not been changed and is still in use.	Ok
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	Appropriate	Ok
Optional/General comments	<ul style="list-style-type: none"> ➤ Boron application doses should be indicated in abstract. Also indicate dose causing toxicity. ➤ Line 26 statement is not correct. Stress always imparts physiological Expression in all livings. ➤ Line 29 please talk about boron ➤ Line 38 Reference is outdated. Please use recent citation ➤ Line 47 add space damage(Riaz et.al 2021) ➤ In methodology section treatments should be given in table form. ➤ Line 79 Please correct symbol ml ➤ Line 91 only 02 concentrations were checked. Are these enough to justify findings? ➤ Table 1 use temp instead of tm. ➤ Table 1 please check <i>Fe SOD forward and Reverse Primers</i> ➤ In statistical analysis please indicate software used for Data analysis ➤ Line 208 Boron concentration was determined in roots and shoots of the seedlings with Inductive Coupled Plasma-Optical Emission Spectrometer (ICP-OES, Optima 7000 DV, Perkin Elmer, USA). Incorporate it in methodology section. ➤ Incorporate recent citation in discussion section ➤ Conclusion also needs redrafting 	

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	➤ References are not on journal format	
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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?	<u><i>(If yes, Kindly please write down the ethical issues here in details)</i></u>	