

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_69654
Title of the Manuscript:	Marker Assisted Introgression of Saltol QTL into “APMS 6B” To Enhance Salt Tolerance at Seedling Stage of rice (<i>Oryza sativa</i> L.)
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:

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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	<p>Introduction: this opening statement of introduction “<i>Rice is that the prime food crop</i>” is confusing and should be corrected. The introduction part provides useful information about the level of salt tolerance at seeding stage of rice. It is suggested that the authors should add more information about some previous and current research on how the “mapping of quantitative trait loci” can improve salinity tolerance. The introduction is not backed up with recent literature of which this could have added more inside to the research problem. Hopefully, this information will make the aim of this study more significant and valuable.</p> <p>Methodology: The materials and methods are well designed. One thing is that the authors did not mention the standard methods they used for the modified standard evaluation system for a close follow up. Table 1 here is hanging, not discussed anywhere in this work.</p> <p>Results: the references for Microsatellite markers “ (Lang <i>et al</i>, 2000, 2001; Singh <i>et al</i>, 2007; Mohammadi-Nejad <i>et al</i>, 2008; Hossain <i>et al</i>, 2015), and (Gregorio <i>et al</i>, 1997)” are cited but not found on the reference section. These results are compared with the findings of Hoque <i>et al.</i>, (2015) and this reference is not found in the reference section as well. I propose the work of Hoque <i>et al.</i>, (2015) should be reviewed and added to the paragraph of the introduction.</p> <p>Discussion: Their findings were well discussed.</p> <p>References: Advised to rewrite the references respecting same front size and the style required by this journal. More recent citations are required to value to this work especially at the introductory and the methodology sections.</p> <ul style="list-style-type: none"> • The following references are not cited in this work <p>Flowers TJ and Yeo AR (1981) Variability in the resistance of sodium chloride salinity within rice (<i>Oryza sativa</i> L.) varieties. New Phytol: 88, 363–373.</p> <p>Ismail AM, Heuer S, Thomson MJ, Wissuwa M. Genetic and genomic approaches to develop rice germplasm for problem soils. Plant Mol Biol. 2007; 65: 547-570</p> <p>Ismail AM, Heuer S, Thomson MJ and Wissuwa M (2007). Genetic and genomic approaches to develop rice germplasm for problem soils. Plant Mol. Biol. 65, 547–570.</p> <p>Zeng L and Shannon MC (2000) Salinity effects on the seedling growth and yield components of rice. Crop Sci: 40: 996-1003.</p>	
Minor REVISION comments	<p>Abstract: line 2 “RM8094 and RM10793 were used for used to confirm backcross....” are advised to correct the sentence. The abstract began with methodology and ended with results. The authors are advised to revise the abstract and include an introduction with a problem statement, then end this part with a conclusion.</p> <p>Introduction: we need more recent referencing in this part of the work.</p> <p>Methodology: The authors should cite standard referenced methods in this section</p>	
Optional/General comments	<p>I think the topic “Marker Assisted Introgression of <i>Saltol</i> QTL into “APMS 6B” To Enhance Salt Tolerance at Seedling Stage of rice (<i>Oryza sativa</i> L.)” is captivating and the research has targeted a sensitive staple food crop consumed in the whole world.</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> NO	

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