



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Plant Research Journal</a>
Manuscript Number:	Ms_APRJ_45957
Title of the Manuscript:	Effects of storage and priming on seed germination in soil and embryo culture of Musa acumunata Calcutta 4
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)																																																																																																																														
<u>Compulsory</u> REVISION comments	Introduction written well with support of literature. No need of revise it .																																																																																																																															
<u>Minor</u> REVISION comments	Author has provided all statistical reports in a form of graph but in text am not able to found any p value for hydro priming and chemical priming protocols. If author provide any comparative ANOVA for following protocols it may be helpful to find out the originality of experiment.	<p>We consider the Reviewer's comments fair and equitable and have therefore made the corrections as suggested</p> <p>Figure 2, Please note that there was an inadvertent error in Fig, 2 for in vitro zero hydro priming. The figure should have been 24,7 and not 34,7. The correction has been effected in the graph, We sincerely regret the error which occurred in the preparation of the graph only. The text remains as is. Please accept our sincere gratitude for your observation, we are indeed mortified.</p> <p>Please find below the ANOVA table as requested</p> <p><b>ANOVA</b></p> <p><b>Hydro priming</b></p> <table><tr><td colspan="7">in vivo ANOVA</td></tr><tr><td>SOURCES</td><td>DF</td><td>SS</td><td>MS</td><td>Fcal</td><td>Ftab(5%)</td><td>Ftab(1%)</td></tr><tr><td>TOTAL</td><td>8</td><td>322,52</td><td>40.315</td><td></td><td></td><td></td></tr><tr><td>TRT</td><td>2</td><td>289.5</td><td>144.75</td><td>39.44*</td><td>5.14</td><td>10.92</td></tr><tr><td>ERROR</td><td>6</td><td>22.02</td><td>3.67</td><td></td><td></td><td></td></tr></table> <p><b>in vitro ANOVA</b></p> <table><tr><td>SOURCES</td><td>DF</td><td>SS</td><td>MS</td><td>Fcal</td><td>Ftab5(%)</td><td>Ftab(1%)</td></tr><tr><td>TOTAL</td><td>8</td><td>435.4</td><td>54.425</td><td></td><td></td><td></td></tr><tr><td>TRT</td><td>2</td><td>405.44</td><td>202.72</td><td>40.601**</td><td>5.14</td><td>10.92</td></tr><tr><td>ERROR</td><td>6</td><td>29.96</td><td>4.993</td><td></td><td></td><td></td></tr></table> <p><b>Chemical priming</b></p> <table><tr><td colspan="7">IN VIVO ANOVA</td></tr><tr><td>SOURCES</td><td>DF</td><td>SS</td><td>MS</td><td>FCAL</td><td>FTAB*(5%)</td><td>FTAB(1%)</td></tr><tr><td>TOTAL</td><td>17</td><td>872.725</td><td>51.337</td><td></td><td></td><td></td></tr><tr><td>TRT</td><td>5</td><td>834.685</td><td>166.937</td><td>52.66**</td><td>3.11</td><td>5.06</td></tr><tr><td>ERROR</td><td>12</td><td>38,04</td><td>3.17</td><td></td><td></td><td></td></tr></table> <p><b>IN VITRO ANOVA</b></p> <table><tr><td>SOURCES</td><td>DF</td><td>SS</td><td>MS</td><td>FCAL</td><td>FTAB(5%)</td><td>FTAB(1%)</td></tr><tr><td>TOTAL</td><td>17</td><td>1338.98</td><td>78.764</td><td></td><td></td><td></td></tr><tr><td>TRT</td><td>5</td><td>1284.54</td><td>256.908</td><td>56.63**</td><td>3.11</td><td>5.06</td></tr><tr><td>ERROR</td><td>12</td><td>54.44</td><td>4.537</td><td></td><td></td><td></td></tr></table>	in vivo ANOVA							SOURCES	DF	SS	MS	Fcal	Ftab(5%)	Ftab(1%)	TOTAL	8	322,52	40.315				TRT	2	289.5	144.75	39.44*	5.14	10.92	ERROR	6	22.02	3.67				SOURCES	DF	SS	MS	Fcal	Ftab5(%)	Ftab(1%)	TOTAL	8	435.4	54.425				TRT	2	405.44	202.72	40.601**	5.14	10.92	ERROR	6	29.96	4.993				IN VIVO ANOVA							SOURCES	DF	SS	MS	FCAL	FTAB*(5%)	FTAB(1%)	TOTAL	17	872.725	51.337				TRT	5	834.685	166.937	52.66**	3.11	5.06	ERROR	12	38,04	3.17				SOURCES	DF	SS	MS	FCAL	FTAB(5%)	FTAB(1%)	TOTAL	17	1338.98	78.764				TRT	5	1284.54	256.908	56.63**	3.11	5.06	ERROR	12	54.44	4.537			
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<u>Optional/General</u> comments	Writing skill is good. No grammar mistakes. Manuscript explained very clearly																																																																																																																															



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**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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	