



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_12517
Title of the Manuscript:	The quality of jute mallow (<i>Corchorusolitorius</i> L.) seeds exposed to different hot water-steeping and cooling protocols
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)
Compulsory REVISION comments	1- Change the title did not reflect the content of the manuscript. 2- In the introduction, before defining the objective, you must specify the general framework of the study because there was passing directly from the results obtained in maize seeds to the aim. There is a gap at this level why the choice of work if germination rates are low without treatment and other techniques dormancy give fairly low rate, so we must answer in references?? Although it had a seed viability of 90.1% (using the tetrazolium technique), seed subjected to a temperature of 25oC for both pre-chilled and unchilled seeds showed no germination. Seeds subjected to a temperature of 35oC did germinate with a maximum of 88% germination from seeds that had been pre-chilled for 3 ½ days compared to those which were unchilled, pre-chilled for a day or pre-chilled for 7 days. Pre-chilling followed by exposure to a temperature higher than 30oC encourages germination of C. (M. Nkomo and L. Kambizi).	Disagreed with the change of title, the experiment aimed at determining the effect hot water-steeping/cooling protocols may have on the seed quality of two cultivars of jute mallow. The experiment has two factors: steeping protocols at nine levels and two cultivars of jute mallow. 9 x 2=18 treatment combinations. Storage period was not a factor. In Table 2 DMRT was used to separate the means in which letters are allowed since Oniyaya was significant at 0 WAS. The cold water temperature was at 0 °C. Which is already included in the manuscript.



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	Methodology ?? 3- The statistical model is not defined (source of variation: two cultivars of this crop; storage periods (0, ... 6 and 18 weeks) and treatments from S1 and S9. ANOVA : three factors ???? Sources of variation: DF Mean square F test ?? Cultivar 2-1 Storage periods Treatment Cultivar x storage periods Treatment x cultivar Treatment x storage periods Cultivar x treatment x storage periods Error Need to be reviewed the statistical model and therefore the results will change and discussions following the results the ANOVA? Table 2: Mean effect of cultivar on seed germination percentage at 0-6WAS ANOVA 62 59 .?? no differences and then we don't need to make 'a' for classification. 4- Comparison of the means is done when the test of variance analysis proves to be significant. 5- Give table of variance analysis and then you can go to the LSD.	
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	St2) seeds steeped as in St1 followed immediately by steeping in cold water at what temperature ?; St3) seeds followed immediately by steeping in cold water ???; for the other treatment	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		