



SDI Review Form 1.6

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	MS: 2012 AJEA 2823
Title of the Manuscript:	ESTIMATION OF FIELD ENVIRONMENT VARIABILITY FOR GERMINATION AND SEEDLING TRAITS IN <i>MADHUCA INDICA</i> GMEL.

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	1. The header of Table 1 maybe is modified: The natural conditions of <i>Madhuca indica</i> Gmel. In addition, Altitude, Average annual temperature, Average annual sun exposure, Average annual rainfall, Frost-free days of twenty plus trees, were added to the table. 2. The author should add another table for variation of seeds morphology of <i>Madhuca indica</i> Gme from each select plus trees. 3. Please offer the more collect seed traits of standard deviation. 4. Please modify the reference literature for references too outdated. 5. Suggestion the author give the sufficient reasons to explain why he use the biomass parameters after one growing season instead of the biomass parameters after the whole growth season. 6. Please add to all standard deviation of data in the table 3.	Added, New header of table 1 passport details and morphological observations of 20 plus trees (S₁-S₂₀) of <i>madhuca indica</i> Gmel in natural conditions. Explanation, There is not enough variation in the altitudinal range of trees/sites selected for morphological observation as such the study area under consideration belongs to Indian gangetic plains, however average altitude of the study area is 98m given in materials and methods para 1. Explanation, not enough variation in annual average rainfall and temperature is found because of the homogeneity of weather conditions of the study area selected. Study area belongs to subtropical area right on the tropic of cancer where frost days are rarely experienced Second problem: Variation of seed morphology of each select plus tree is given in table1 in terms of seed length and seed width. Added the colour of the seed varies from yellowish brown to dark brown in introduction



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		Third problem: if I could not get it I felt regretted Fourth problem: Added some updated references in the subject context and reference list as per the style of the journal Fifth problem: Explanation: The species develop strong root system could not be fit for morphological observations to be recorded after whole growing seasons, as such digging out of total and complete root system becomes hard without causing damage to root system, so used one growing season
<u>Minor</u> REVISION comments	1. line 145: the shoot dry weight of S2 was 1.73g, not 1.77g. 2. line 217: Overall, the plus tree progenies of S20,S9, S12 and S19 (The sequence of the original is S20,S12, S9 and S19)accordingly have showed better germination and seedling growth performance for majority of the traits as compared to rest of the genotypes as discussed above.	Line 145: rectified : the shoot dry weight of S2 (1.77g to 1.73g) Line 217: rectified: plus tree progenies sequence as S20, S9, S12 and S19 (original sequence was S20, S12, S9 and S19
<u>Optional/General</u> comments	As a whole, this article is valuable. The author should modify all the questions put forward by the reviewer.	