



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_15139
Title of the Manuscript:	Variability of fruit and seed characters and oil content of 35 accessions of <i>Jatropha curcas</i> L. grown in a semi-aride site in Senegal
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 (<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>)
Compulsory REVISION comments	The work was superficial and has too many mistakes in grammar. Many papers have been published about characterization of fruits, seeds and oil content of <i>Jatropha curcas</i>. However, it is important to consider the information on local <i>J. curcas</i> variability. The title must be changed. I suggest: "Genetic parameters for fruits, seeds and oil content traits of <i>Jatropha curcas</i> L. in a semi-arid region of Senegal". The Introduction is not adequate. I suggest rewrite it. I recommend writing the paragraphs in a short way, in the following order of issue: a) <i>importance of J. curcas in Senegal</i>, b) <i>variability of seeds, fruits and oil content (lines 39-49 can be used as a basis)</i> and c) <i>importance to use genetic parameters in plant breeding</i>. The aim is unclear. I suggest: "The aim of this work was	The language has been improved and the introduction, rationale and aim of the study have been rewritten to address the observations of the reviewer The title was modified taking into account the suggestion of the reviewer



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	to study the genetic parameters of fruits, seeds and oil content of <i>J. curcas</i> accessions in a semi-arid region of Senegal”. In Material and Methods, I suggest exclude the title “2.1 Study area” and “2.2 Plant material”. Put the paragraphs together. Exclude the lines 60-64. How the experiment (design, repetitions) was carried out? This is the most important part. I suggest that the topic “2.3 Methods of the survey” be changed to “2.1 Observations and measures”, subtopic: “Fruit and seed traits” and “oil content”. And the topic “2.4 Data analysis Method” to “2.2 Statistical analysis”. Result: the lines 129-138 are not necessary. In Table 1, replace the comma by dot ; exclude the lines “maximum”, “minimum”, “F” and “P”. I suggest rephrase the topic: “3.2 Estimation of genetic variables for 9 morphological traits of <i>Jatropha curcas</i>” to “3.2 Estimation of genetic parameters”. In this topic, as no selection was made in the progeny, it is wrong to calculate the genetic advance. In Table 2, replace the comma by dot.	The requested corrections and suggestions made for the section material and methods were taken into account in improving the text The requested corrections in the section Results were made
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	In Table 3, replace the comma by dot. The lines 199-203 are not necessary. In Table 4, replace the comma by dot. Discussion: was superficial; describe how some of the works cited was carried out. This year (2014) has a lot of good works considering fruits, seeds and oil content in J.curcas. The lines 213-219 are descriptions of material and methods. The lines 231-236 are descriptions of Introduction. Conclusion: is too much long, be punctual.	Discussion has been improved The conclusion was rewritten to get a more concise text and shorter
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		