



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_8596
Title of the Manuscript:	Identified Flow Problems in Adding Value to Cassava Tuber
Type of the 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	Abstract review, proper definitions of terms. The authors need references to support their findings. The finding that angle of repose of cassava mash is dependent on moisture content should be supported with other published works 1. The word 'tubers should be changed to roots. This is a common error. Cassava is a root crop.	Tavakoli H., Rajabipour A., Mohtasebi S.S. "Moisture-Dependent Some Engineering Properties of Soybean Grains". Agricultural Engineering International: the CIGR Ejournal. Manuscript 1110. Vol. XI. February, 2009 Adewumi 2012TRANSFORMATION OF FIELD TO FOOD MATERIALS: AGRO-FOOD PROCESS ENGINEERING APPROACH http://unaab.edu.ng/attachments/Transformation%20of%20Field%20to%20Food%20Materials:%20Agro-Food%20Process%20Engineering%20Approach.pdf ok



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	Tubers are pockets of numerous cell around a large energy store which is starch once the conditions are correct the undifferentiated cells react to the conditions which through various hormone changes while roots are found under the ground and they hold the soil and absorb nutrients. While all tubers are root crops, not all root crops are tubers. Tubers share some traits with root crops, but they differ physiologically. 2. Line 13 & 39-What are these ingredients? 3. Lines 13-14: arching, caking & segregation are common problems-Are you sure? 4. Line 18-cassava mash is wet so the word dry should be dried, showing that the mash has been worked on 5. Line 20- how many varieties? If one, then change varieties to variety and if more than 1 variety, use varieties and change was to were. 6. Keywords- more of statement than word. Suggestions: flowability, mash, cassava, angle of repose, etc 7. Lines 30-32: Cassava being Africa food security crop is as a result of high production and consumption in Africa. It is a staple in Africa and not necessarily because of farmers	
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	planting it under harsh condition. 8. Line 2-traditional tools are not the only option available. We now have mechanized tools. You can not make such a general statement especially now that there are so many cassava transformation programs in Africa especially Nigeria and some sub-Saharan Africa 9. Lines 42-48-your definitions of primary & secondary products are wrong. Cassava and some other agro-commodities are divided into intermediate and finished products; Finished products are those that are made from raw cassava roots as the main raw material and go through primary processing (peeling, grating, dewatering, etc) e.g. gari, fufu, lafun, etc while intermediate products are those processed products from cassava that are raw materials to other products mainly industrial products like starch, chips, which are raw materials in making ethanol, bio-fuel, noodles, High quality cassava flour, etc. They go through secondary processing 10. Line 49-.....handling steps. Which steps? It is necessary you mention the steps 11. Lines 51-53- you need reference(s) to back up	
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	the statements 12. Line 62- Arching 'has' and not 'as' 13. Line 163- IITA should be written in full 14. Line 173- figure 1 is a flow chart of cassava value chain and not a box 15. Results and discussion need grammatical editing as some tenses were in past, present and even future. All the tenses supposed to be in the past. 16. On results, it would have been clearer if the author(s) can just show angles of repose and moisture contents in a table 17. The methodology should include moisture content determination i.e. how was the moisture determined? 18. The authors need references to support their findings. The finding that angle of repose of cassava mash is dependent on moisture content should be supported with other published works 19. The abstract needs to be reviewed in term of content, clarity of terms, and flow of information. 20. The author needs to translate his/her research findings to development. What is/are the implications of the work to food security, farmers & processors' productivity, product quality and commercialization. In	
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	the introduction or justification, he/she needs to tell us the importance of the study. 21. References: Freeman 2000 was quoted but missing in the references .	
<u>Minor</u> REVISION comments	Keywords, Grammatical revision. Some of the references are too old. The authors should get more recent ones. Proper use of acronyms and figures.	noted
<u>Optional/General</u> comments	The author needs to translate his/her research findings to development. What is/are the implications of the work to food security, farmers & processors' productivity, product quality and commercialization. In the introduction or justification, he/she needs to tell us the importance of the study.	Corrections made