



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_6480
Title of the Manuscript:	ASSESSMENT OF THE GROWTH RESPONSES OF SESAME (<i>SESAMUM INDICUM</i> L.) AND FALSE SESAME (<i>CERATOTHECA SESAMOIDES</i> ENDL.) TO COLCHICINE TREATMENTS
Type of the Article	Research Paper

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>
<u>Compulsory</u> REVISION comments	The measurements of plant growth following colchicine treatment don't prove the induction of mutants. Mutation efficiency could be discussed by the number of mutants obtained by treatment. Otherwise the induced mutation should be discussed genetically. Colchicine affects cell division, as a mutagen in general. Therefore, it is inadequate to discuss the effect of colchicine in comparison with the gene mutation.	Colchicine was reported to cause increase in plant height, leaf and fruit size through polyploidization (mutation in chromosome number). As such, measurement of growth parameters in colchicine treated plant indicates the influence of the mutagen on such growth variables.
<u>Minor</u> REVISION comments	There is a reference which has not been able to confirm (e.g. No.25). Reference list should be checked and/or revise the related discussion.	Such reference was changed.
<u>Optional/General</u> comments	Very similar report is found in SAVANNAH JOURNAL OF AGRICULTURE (http://savannajournal.com/). PDF is available on WEB: (http://savannajournal.com/Publications/Vol7No2/SJA_39%20-%2045%20Nura.pdf). I would like to leave judgment to an editor.	Such report is on false sesame only, but this one is different from that of savanna as it contained that of sesame and false sesame. The growth parameters were now modified.