



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	Ms_AJEA_18875
Title of the Manuscript:	SCREENING OF CHLOROPHYLL MUTANTS INDUCED BY INDIVIDUAL AND COMBINATION TREATMENTS OF GAMMA RAYS AND EMS IN TWO VARIETIES OF VICIA FABA L.
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)
<u>Compulsory</u> REVISION comments	The manuscript provides useful data on the effects of physical (gamma rays) and chemical (ethyl methane sulphonate) mutagens on chlorophyll mutants in two faba bean cultivars. The manuscript is written comprehensively, the experimental data are clearly presented and clear conclusions are provided. I have only minor comments on the manuscript: 1/ Instead of the abbreviation EMS used in the title and in the abstract, the full name of the chemical mutagen "ethyl methane sulphonate" should be given. 2/ In the reference list, I think that the references should be ordered alphabetically. When they are ordered according to their occurrence in the text, they are usually numbered. 3/ Formal comments: Line 26: Correct the verb form "Induced mutagenesis has successfully served as..." Line 57: Correct the verb form in the sentence "In M₂ generation, screening of different chlorophyll mutants was carried out." Line 77: Correct the grammar in the sentence as follows: "Both a physical and a chemical mutagen were used in this experiment." Line 83: Insert "a" before the words "block in the synthesis of chlorophyll", i.e., "a block in the	Correction done References ordered alphabetically now. Correction done Correction done Correction done Correction done



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	synthesis of chlorophyll” Line 90: Use “a higher frequency” instead “more frequency” Line 92: Use a term “chlorophyll biosynthesis” instead of “chlorophyll development” in the sentence “Chlorophyll biosynthesis is under the control of...” Line 95: Write “Ambarkar et al. (2005)” Line 105: Use the plural form of the word “treatments” in the sentence “The synergistic effect of combination treatments has already been reported by...” Line 114: Remove “the” before the term “chlorophyll biosynthesis”	Correction done Correction done Correction done Correction done Correction done
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		