



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>)



SDI Review Form 1.6

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	In general, the manuscript is about the analysis on chlorophyll mutants induced by individual and combination treatments of gamma rays towards two varieties of vicia faba. The manuscript is considered to be accepted with major correction. Kindly consider the following suggested correction: Abstract: (i) Problem statement on the effect of individual and combination treatment of gamma rays on the chlorophyll profile of plant should be highlighted. (ii) Please provide a general conclusion on how the combination treatments produced more chlorophyll mutations followed by individual concentrations/doses of EMS and gamma rays Introduction: (i) Please provide some information on effect of mutagenesis on different kind of plant cell (ii) Please provide a clear problem statement on the effect of mutagenesis on the chlorophyll content of plant (iii) Please provide more information on individual and combination treatments of gamma rays (iv) Please have the current /latest references (2010 and above) Results and discussion:	(i) Problem now clearly shown in abstract now. (ii) General conclusion with possible mechanism provided now. (i) Added now. (ii) Information provided now. (iii) Information provided now. (iv) References added now. • It is now provided in



SDI Review Form 1.6

	(i) Please provide more explanation on: • Reason on frequency of chlorophyll mutations increased with increasing doses/concentrations of both individual and combination treatments • somatic mutations • The synergistic effect of combination treatment Conclusion The conclusion of study should be provided at the end of manuscript. The conclusion should answer all the study objectives	discussion.(see highlighted portion). • Added now. • Provided/Added now. Conclusion added now.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		