



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Biotechnology and Genetic Engineering</a>
Manuscript Number:	Ms_AJBGE_40538
Title of the Manuscript:	Impact of papaya seed soaking in different BA, colchicine and EMS solutions on germination, growth and chromosomal behavior
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**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<p>Abstract needs to be cleared, especially in the methodology description. This topic is very confusing.</p> <p>Caution with the name of the plant studied is required (see line 117).</p> <p>Review germination rate equation, especially line 115 (number 3 is not appear at equation).</p> <p>Review line 142.</p> <p>Line 144-145: Indicate the concentration of each substance tested is required.</p> <p>Line 150-151: Cyclophosphamide and colchicine are two different mutagenic agents. Please, correct that.</p> <p>Line 162: Please change "lab temperature" for "room temperature" or specify the temperature used.</p> <p>Analysis of a single slide per treatment is not sufficient to produce reliable results on MI. Further analysis is needed.</p> <p>The description of the germination % results does not correspond to the one presented in table 1.</p> <p>The EMS concentration is as ppm in some places and as% in others. It is necessary to modify it. For example: Line 198-199: The EMS concentration is ppm or %? Correct that information.</p> <p>It is necessary to relate the results of germination and initial development with MI. For example, the affirmation in lines 301-302 is corroborate with MI results?</p> <p>Where is the statistical analysis at table 3? Again, pay attention with the EMS concentration. The total cells are 500, but in methodology it is written 500.</p> <p>The quality of figures 4, 6, 7 and 8 are poor, making it difficult to visualize the anomalies to be identified (example: photo 6-C). In addition, it's necessary to identify with a marker (arrow) which cell is highlighted.</p> <p>Where is figure number 5? From figure four jump to 6!</p> <p>Photo 6-A and B is not an anaphase but telophase. Photo 7-F is not possible to be sure that is a C-metaphase.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	<p>A rigorous review of paper formatting is required. There are phases starting with lowercase letter (line 69), words joined (line 144), scientific names are not in italics (line 18) ...</p> <p>In view of the use of fungicide in the study, it would be prudent to explain if the effects on mitotic index may be associated or not with its use.</p> <p>Improve table titles.</p> <p>Check if the text matches the one shown in the tables.</p>	

**Reviewer Details:**

Name:	<b>Schirley Costalonga</b>
Department, University & Country	<b>Department of Biological Science, Universidade Federal do Espírito Santo, Brazil</b>