

## Review Form 1.6

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_88325
Title of the Manuscript:	ETHYL ACETATE EXTRACT OF HELICTERES HIRSUTA SUPPRESSES MCF-7 HUMAN BREAST CANCER CELL MOBILITY
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:

(<https://www.journalarrb.com/index.php/ARRB/editorial-policy> )

### 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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"><li>1. In the abstract, report the exact value of each compound. Also, the breast cancer cells treated with H. hirsute should be compared with the control indicating significant or non-significant difference.</li><li>2. Why did you report total flavonoid content of L. spinosa while you are working on H. hirsute?</li><li>3. What do you mean by "the indicated concentration of extract"?</li><li>4. State the exact concentration(s) of each fraction used in each assay.</li><li>5. Report the number of groups in each assay and the substance they receive.</li><li>6. Please correct the phrase "standard error of result" the correct phrase is "standard error of the mean"</li><li>7. For % viability, give the full meaning of OD and indicate the sample.</li><li>8. In the result section, compare total phenol and flavonoid contents in all the fractions and state the exact value of each fraction.</li><li>9. Compare the viability and motility of the control with those of cells treated with each fraction at different doses and state if there are significant changes (increase of decrease).</li><li>10. Revise the conclusion for clarity</li><li>11. The manuscript needs English language revision.</li></ol>	<p>We would like to say thank the reviewer for the valuable recommendations. We have addressed all the comments as explained below.</p> <p><b>Response:</b></p> <ol style="list-style-type: none"><li>1. The exact value of each compound was added and the breast cancer cells treated with H. hirsute was compared with the control indicating significant difference.</li><li>2. The sentence: "The total flavonoids content of the L. spinosa was determined according to the method of Nabavi et al (2008) [11] using aluminium chloride calorimetric method". We have changes "The total flavonoids content of the <i>H. hirsuta</i> was determined using aluminium chloride calorimetric method as previously described [11]."</li><li>3. The indicated concentrations of extracts was changed to the different concentrations of extracts.</li><li>4. The exact concentrations of each fractions were added in this manuscript.</li><li>5. The number of groups in assay have provided.</li><li>6. "standard error of result" was changed to "standard error of the mean".</li><li>7. We have changed it: <math display="block">\% \text{ viability} = \frac{(\text{Optical density of the treated sample} - \text{Optical density of blank}) \times 100}{\text{Optical density of the control sample} - \text{Optical density of blank}}</math></li><li>8. We have added the exact value of each fraction</li><li>9. We have provided it in manuscript and figure.</li><li>10. The conclusion was revised.</li><li>11. Authors were revised the language.</li></ol>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

### PART 2:

	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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	