



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Asian Journal of Research in Botany
Manuscript Number:	Ms_AJRIB_43993
Title of the Manuscript:	Botanical study, phytochemical screening and evaluation of the cytotoxicity of fruits of <i>Solanum torvum</i> Swartz (Solanaceae) on HFF cells (Human Foreskin Fibroblasts).
New Title of the Manuscript:	Phytochemical screening and evaluation of the cytotoxicity of fruits of <i>Solanum torvum</i> Swartz (Solanaceae) on HFF cells (Human Foreskin Fibroblasts).
Type of Article:	original research article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>Line 8 -11, is not needed in the abstract. Present line 12 – 14 better.</p> <p>Line 16, you could use “ standard protocols were used for the phytochemical screening and the cytotoxicity study on human foreskin fibroblasts using ...% ethanolic extract.</p> <p>Use line 29b to start the statement before <i>Solanum t.</i> is a native of central American...</p> <p>Line 34, remove the statement “ antioxidant rich fruits are used... “ you should rather use <i>S.t</i> is rich in antioxidant (ref.) and are used in the preparation of tonic and hemopoietic agents.</p> <p>Line 39, remove however, in 2013 ... to line 40a. Recast as “another report has shown that at low concentration that glycoalkaloids is toxic to arthritic rats”.</p> <p>Line 41, use medicine in place of environment. Remove Line 41b starting from “ and to help to ...we have undertaken... in line 42, then link it “hence, the evaluation of the cytotoxicity and phytochemical...of the fruit.</p> <p>It is important that some information on HFF and why you chose to use it be included. Remove line 44b, this survey to 48b.</p> <p>Line 75, for TAE prep. At 50°C to obtain powder, why not use to obtain a concentrate. Line 74, whatman filter paper “ n^o3” ...verify the number and correct where necessary.</p> <p>Line 77, preparation of 70% ethanolic extract. This preparation below is not 70% ethanolic extract. Consider 5G/100ML of 70% ethanol * %= 5%. Note the 70% ethanol is the % of the ethanol, as a solvent used for the extraction of the extract. Just like you have 95% and absolute ethanol. It has to be corrected. Zihiri et al., also got it wrong as such a post publication review is necessary. The conc. of the extract used from the report is not 70% ethanolic extract rather it is 5% and this is to be corrected at the reported places. <i>This is where the scientific soundness and reproducibility of this work lies.</i></p> <p>Line 82 – 90, 100g in 1L after extraction and concentration, could not have given 5g of the extract used for the phytochemical screening and cytotoxicity study. This is a fruit with high insoluble fibre.</p>	



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Recast line 92.
Line 147, left to settle and not "set"
Line 169 – 170, is not in line with line 82. I disagree with line 169-170 unless the full report is presented.
Line 171, change phytochemical to phytochemical.
Line 184-187, indicate if the data is of the mean \pm SEM or Standard deviation of the triplicate study below the figure.

Line 198, plays a central role.
Line 200, which is and not which are.
Line 218, glycoalkaloids and not glycoalcaloids.

Line 226, remove we...you could use, hence, further studies on the cytotoxic activities of this plant extract is warranted.

Reviewer Details:

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