



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_31197
Title of the Manuscript:	Antioxidant, Antiproliferative Properties And Chemical Composition Of The Ethanollic Extract From Leaves And Stems Of Lebanese Anacyclus nigellifolius Boiss
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Reviewer's initial comments: Pg 1, Abstract, Objective The statement "to determine the content of the ethanolic extract from leaves and stems of fresh Lebanese <i>Anacyclus nigellifolius</i> Boiss in primary and secondary metabolites and to evaluate its antioxidant and anti-tumor activities on Human lung A549 adenocarcinoma cells" is not in full sentence format. Please revise. Response: Thank you for your valuable comments. In fact, the sentence has been selected by a specialist in the domain. Final evaluator's comments The statement must be in full sentence format. Please revise.	- The sentence has been modified in the revised MS (highlighted in yellow)
Reviewer's initial comments: 2.5.2 Antiproliferative activity It is essential for the authors to as to why 24 h rather than the conventional 72 h was selected as the time point for screening of cytotoxicity. Response: A protocol was established Final evaluator's comments Please provide more details on the remark.	- We have tested the cells for only 24 hours and we have found a significant difference compared to the untreated cells (control cells) for that we stopped at that range of time without continuing at 48 and 72 hours.
Reviewer's initial comments: 3.2 Active contents Please discuss on the implication of "Also, the studied plant contains a good percentage of lipids." Response: No study was done before on this plant so we don't know anything about. Final evaluator's comments: Please discuss on the implication of "a good percentage of lipids."	- In the MS we have deleted the "good" as we cannot do a comparison because this plant had never been studied before so that we consider that it contains a percentage of lipid.



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The authors had failed to address a substantial number of initial comments as follow: 2.6 Statistical analysis i) Please include company, state and country for PRISM. ii) Please include n number for mean $\pm$ S.E.M. 3.3 TPC and TFC It is essential for the authors to justify the basis of claiming "Ethanolic extract contained <u>high amounts</u> of TPC (86.7 mg/ml) and TFC (50.2 μg/ml)." 3.5 Cell viability results It is essential for the authors to compare the results to other ethanolic extracts. Please cite reference(s) for the following: iii) Pg 8 "When the quantities of phenol are high, the antioxidant activity of extract is high" Pg 2, Introduction, Paragraph 1 The word "trained" in "Adenocarcinomas are trained of bronchial basal cells..." is inappropriate. Please revise.	2.6. Company, state and country for PRISM : GraphPad PRISM software (Graph-Pad Software, Inc., San Diego, CA, USA). number for mean $\pm$ S.E.M : in most of the articles the number used is 11 3.3. We deleted "high amount" as we cannot compare our obtained results with another results especially there are many factors (Soil, climate...) involved in the changes in the chemical composition of plant 3.5. As mentioned before, it is the first time that we study the antiproliferative activity of the ethanol extract from the whole plant, so as we didn't have any thing about this plant we choose to describe the obtained results without doing a comparison with another plants. Also, another study is in progress to evaluate the antiproliferative activity of methanol, aqueous and meth/aqu (v/v). iii) a reference has been added Pg 2, Introduction, Paragraph 1 Adenocarcinomas are qualified of bronchial basal cells and type II pneumocytes that appear in the periphery of the lung, and squamous comes from bronchial epithelial cells more centrally located"" we mean trained that the cells are composed (origin)
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