

Review Form 1.7

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_116889
Title of the Manuscript:	Evaluation of TPC, TFC, and Antioxidant Activity of Extracts of Piper longum 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:

<https://www.journalajacr.com/index.php/AJACR/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The title of the manuscript, namely "Evaluation of TPC, TFC, and Antioxidant Activity of Extracts of Piper longum L," is a study worthy of consideration. Based on scientific studies, the author has tried to review and write well.</p> <p>2. The title is appropriate to describe what was done in the research described in this article.</p> <p>3. The abstract has been published and written quite well and has briefly described the reasons, methods, results, and further recommendations from the results of the research that has been carried out.</p> <p>4. The script is well written in terms of structure, and each sub-section is good.</p> <p>5. There are several things written that are not contained coherently, for example:</p> <ol style="list-style-type: none"> In the discussion, the percentage yield of each extract obtained is written; however, the initial weight (wet and in simplified form) is not written in the procedure! The phytochemical screening method and the results section do not mention the reagents used in carrying out the screening! The basis for determining phenolic and flavonoid levels is why it only refers to methanol and chloroform extracts, even though, from the results of phytochemical screening, the ethyl acetate extract contains flavonoids and phenolics! Why does the determination of total phenolic content in chloroform extract show a total phenolic value even though the screening results do not show a positive result? The reported research data on the correlation of total flavonoid and phenolic levels with the resulting potential antioxidant activity still needs to be carefully monitored! because the two datasets do not correlate well. Conclusions require a closer look at the data presented in the manuscript. <p>6. The references used are dated to be more than 5 years old. It is highly recommended to use the latest references.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>improvements at a later date.</p>	
<p>Optional/General comments</p>	<p>Please double check the data presented and the correlation of the data with each other and ask to use the latest references related to the research theme in the manuscript.</p>	

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

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