

Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_90440
Title of the Manuscript:	IN VIVO AND IN SILICO ANTI INFLAMMATORY STUDIES OF ALSTONIA SCHOLARIS BARK EXTRACT
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.journalajob.com/index.php/AJOB/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)
Compulsory REVISION comments	<ul style="list-style-type: none"> - The anti-inflammatory activity of methanolic extract of the same plant bark has been reported by Chandrashekar Kodangala Subraya, Harikiran, Daksha Gupta. What is the rationale for ethanolic extract? If there is no difference in the phytochemical constituents in ethanolic and methanolic extracts then why animals were sacrificed for the study? Need a clear justification on rationale of the study. - In introduction, it has been already mentioned that plant is having traditionally anti-inflammatory activity then the clear objective of the study is lacking. - Material and Methods- 2.3- Which tests were used to identify the phytoconstituents? Need a details of the tests used for preliminary identification? - The objective of in-silico studies is not clear? It makes sense only when phytoconstituents are extracted, separated and characterized. - What was the % of ethanol in the dried extract? - What vehicle was used to administer the extract to rats? - If water was used then did extract dissolved in water? If not, then did researcher used any suspending agent? This is important for accurate dose of the extract - Why was vehicle control not kept in the experiment? - Docking pose of the compound/s with amino acid of significance is required. - Discussion section mentions- "Docking analysis of isolated compounds from ethanolic bark extract of <i>Alstonia scholaris</i> and standard drugs were carried out using MCULE software" Were compounds isolated? Or they are just reported in the literature? - Correlation between docking score and anti-inflammatory potential is not clear. No citation from literature about the required docking score and correlation with the compound exhibiting the similar docking score. 	
Minor REVISION comments	Need modification in conclusion. This is very general conclusion.	
Optional/General 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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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