

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_86309
Title of the Manuscript:	Modulation mechanism of Proanthocyanidins from Leaves of Bayberry (Myrica rubra Sieb. Et Zucc.) on hyperlipemic rats induced by high-fat-diet
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.journaljpri.com/index.php/JPRI/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)
Compulsory REVISION comments	<p>Dear Authors,</p> <p>Thank you for the opportunity to review your manuscript titled, " Modulation mechanism of Proanthocyanidins from Leaves of Bayberry (Myrica rubra Sieb. Et Zucc.) on hyperlipemic rats induced by high-fat-diet". The topic is interesting and of great importance. The authors investigate the lipid-lowering effect of Proanthocyanidins from Bayberry leaf (BLP) in rat model of hyperlipidemia via analyzing biochemical, molecular and histopathological examinations. There are certain issues that the authors need to address and I hope to be useful for improving the manuscript.</p> <p>Abstract</p> <ul style="list-style-type: none">• Please insert the full name beside abbreviations when mentioned for first time in abstract section. <p>Introduction</p> <ul style="list-style-type: none">• Please shorten the sentences in introduction section. <p>Materials and methods</p> <ul style="list-style-type: none">• Remove lines under subtitles in method section.• Add age of rats in <i>in vivo</i> study.• Why authors select oral administration of BLP components at a dose of 100 and 200 mg/kg? Please insert reference if present.• Please insert period of acclimatization, environment in which rats were reared and diet and water administered?• Please rewrite sampling especially tissue sampling and determine tissue samples taken for histopathological examining, PCR, and western blotting under subtitle "Tissues Sampling".• Please add references for used primers and determine 3 and 5 ends. <p>Results</p> <ul style="list-style-type: none">• Insert abbreviations in the footnotes of tables and means \pmSD.• Please insert units of measured biochemical variables in tables.• Please insert raws or symbols in histopathological figures that show normal structures and histopathological lesions.• Please insert numbers for subfigures in figure 4 and 5 and clarify which numbers represents in figure legends. <p>Discussion</p> <ul style="list-style-type: none">• Should be rewrite and explain your results in details and antioxidant role of BLP in relieving hyperlipidemia and attributed to what??	<p>Abstract</p> <ul style="list-style-type: none">• Full name has been inserted as requested. <p>Introduction</p> <ul style="list-style-type: none">• The sentences in introduction section have been shortened. <p>Materials and methods</p> <ul style="list-style-type: none">• The lines under subtitles in method section have been removed.• The age of rats in vivo has been added.• References to oral BLP doses have been added.• The period of acclimatization, rearing environment, and dietary conditions of rats have been added.• Tissue samples taken for histopathological examining, PCR and western blotting have been determined under the subtitle of "Tissue Sampling".• 3 and 5 ends have been determined, and Genbank Accession, Size (bp) and Annealing ($^{\circ}$C) have been added. <p>Results</p> <ul style="list-style-type: none">• The abbreviations in the footnotes of tables and means \pmSD has been inserted.• The units of measured biochemical variables in tables have been inserted.• The symbols in histopathological figures that show histopathological lesions have been inserted.• The numbers for subfigures in figure 4 and 5 has been inserted and numbers which represents in figure legends has been clarified. <p>Discussion</p> <ul style="list-style-type: none">• Discussion section has been corrected as requested. <p>Conclusion</p> <ul style="list-style-type: none">• Conclusion section has been corrected as requested.

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	Conclusion <ul style="list-style-type: none">Should be rewrite clarifying briefly the most obvious results in your work. References <ul style="list-style-type: none">References inside the text should follow the instruction of the journal.	References <ul style="list-style-type: none">References have been corrected follow the instruction of the journal.
Minor REVISION comments		
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?	<u><i>(If yes, Kindly please write down the ethical issues here in details)</i></u>	NO