

Name:	UTTAR PRADESH JOURNAL OF ZOOLOGY
Manuscript Number:	Ms_UPJOZ_4621
Title of the Manuscript:	Esculetin Mitigates Ethanol and Lipopolysaccharide-Induced Hepatotoxicity in Male Wistar Rats: Anti-Apoptotic and Anti-Inflammatory Mechanisms
Type of the Article	

PART 1: Comments

	Reviewer's comment Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		

Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>	<p>Basis of topic selection Keywords is not in standard format Why LPS administered on 11th day of study.</p>	<p>This research was chosen due to the rising concerns over ethanol-induced liver toxicity, which leads to oxidative stress, inflammation, and hepatic damage. Understanding the underlying mechanisms is crucial for developing effective therapeutic strategies. The study aims to explore potential interventions to mitigate ethanol-related liver injury.</p> <p>The key words also revised based on your suggestion.</p> <p>LPS was administered on the 11th day of the study to mimic endotoxemia and enhance liver toxicity in ethanol-induced liver disease. Chronic ethanol consumption increases gut permeability, allowing LPS translocation, which exacerbates inflammation and liver damage. Administering LPS at this stage helps simulate real pathological conditions by triggering pro-inflammatory cytokine release. This approach aids in understanding the synergistic effects of ethanol and LPS on liver injury mechanisms. Also based on previous study.</p>

PART 2:

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