

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_130239
Title of the Manuscript:	Effect of subacute heat stress on histophysiology of hepatorenal system in wistar rats and the ameliorative effect of combined antioxidants: An investigation
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer’s comment	Author’s Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	Climate change is the current problem affecting every form of life through its effect on various physiological aspects. It is the need of the hour to identify stress amelioration strategies to thrive in the era of climate change. It could be either identifying the resilient breeds, physical protection measures or nutritional intervention strategies. Although the use of antioxidants to combat heat stress is well established, the form and dosage of supplementation should be carefully examined in a variety of animal species under varying stress levels.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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.	Include about sex differences/no difference in conclusion part	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	<ul style="list-style-type: none">• The comparison of individual effects of antioxidants with combined effects or different combination of antioxidants would have been a better study.• Since this study was conducted separately in M/F, the statistical analysis between male and female of group 2 and male and female of group 3 would provide sex differences between heat susceptibility and the efficiency of antioxidant supplementation. Include the statistical analysis of that aspect.• Rewrite introduction section.• Make corrections as suggested by colouring• Make clarification in Materials and methods• Include the references wherever asked• The discussion may be elaborated by comparing the individual as well as combined effects of antioxidants against heat stress	<ul style="list-style-type: none">• Individual antioxidants are generally used in field. Present study was conducted to evaluate the combined effects of antioxidants on heat stress.• Data was subjected for statistical analysis but it did not show any statistical difference.• Rewritten as per suggestion.• Corrected accordingly• Corrected in materials and methods• Incorporated the references• included• Included in the discussion section

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?	(If yes, Kindly please write down the ethical issues here in details)	The study protocol was evaluated by the Institutional Animal Ethics committee,