

SDI Review Form 1.6

Journal Name:	International Journal of Pathogen Research
Manuscript Number:	Ms_IJPR_45455
Title of the Manuscript:	ANTIMALARIA AND HEMATOLOGICAL PROPERTIES OF ETHANOLIC LEAVE EXTRACT OF PENNISETUM PURPARUM MICE
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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: (http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agr highlight that part in the ma his/her feedback here)
Compulsory REVISION comments		
	Abstract -For endoparasites, one must not use the term 'infested'. Instead, the term 'infected' must replace the term 'infected' in the whole manuscript	
	Introduction - It is also important to emphasize that chloroquine resistance is widespread throughout the world and therefore, searching for new molecules with antiplasmodial activity is needed	
	- If studies on the in <i>vitro</i> antiplasmodial effects of <i>P. purpareum</i> exist, it would be a valuable information to justify your study in the introduction	
	Materials and Methods	
	-I suggest you to specify for what purpose each set of materials was used. For example: 'syringes, gloves, drugs etc were used in the in vivo experiments' and so on	
	- Since chloroquine resistant is widespread throughout the world, wouldn't it be better to choose a chloroquine-resistant strain? Or there was no chloroquine resistant strain available?	
	- Why artesunate was tested only at 5 mg/kg but the extract was tested at two higher concentrations (200 and 400 mg/kg?	
	-What solvent was used to dissolve the extract on the experiments and in what concentration this solvent was used?	
	Results	
	Discussion - Currently, at least five species are known to cause malaria in humans: P. falciparum, P. vivax, P. malariae, P. ovale and P. knowlesi, as follows:	
	COX, FEG. History of the discovery of the malaria parasites and their vectors. Parasites & vectors , v. 3, n. 1, p. 5, 2010.	
	- I think this kind of information (regarding the malaria parasites in humans) must be moved to the introduction, since you are explaining basic aspects of the disease.	
	- "Artesunate (5mg/kg) caused only a mild reduction in parasite count, but oral administration of <i>Pennisetum purpareum</i> aqueous crude leaf extract "This is probably because the dose was too low. If the dose was comparable to those used for the leaf extract, artesunate would almost certainly achieved better results than the dose used in the study (5 mg/kg)	
	- There is no discussion at the topic of the 'Effect on packed cell volume (PCV)' as you simply repeated the results. You should bring similar studies and discuss how are they related to yours'. If no studies involving the effect of extracts exist in the literature, you should emphasize this information.	
	- "This result is similar with that obtained from previous publications ¹⁸ ."You should discuss	
	some these previous results with your findings	

preed with reviewer, correct the manuscript and nanuscript. It is mandatory that authors should write

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MINOR REVISION comments		
	Abstract	
	-"Administration of Artesunate also caused an insignificant (p < .05) reduction in parasite	
	counts upon comparison with control" Insignificant or significant?	
	Introduction	
	Materials and Methods	
	- "Fresh leaves of <i>Pennisetum purpurum</i> were procured from local markets within the	
	University environ would it be Environment?	
	Posulte	
	Discussion	
	Discussion	
	- What is the 'rest group'? The non-infected one?	
	- Are there any studies to suppport this information?	
	Conclusion	
	Conclusion	
	"Pennisetum purpurum ethanolic leaf extract shows non-significant effect on red blood cell	
	What kind of effect? I suggest change the term to "alteration"	
	Recommendations	
	-Replace 'ingredients' with 'compounds'	
Ontional/General comments		
	-English grammar should be concisely revised as there are many errors	
	should be referred to as ' <i>P. purpurum</i> '	
	V_{out} should standardize 'p $\neq 0.5'/\text{ D} \neq 0.05'$ in the whole meruparint	
	r = r = 0 should standardize $p < .05 / P < 0.05$ in the whole manuscript	



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PART 2:

	Reviewer's comment	Author's con manuscript a mandatory th
Are there ethical issues in this manuscript?	Yes. This study requires the use of laboratory animals but has been approved by the local animal ethics committee	

Reviewer Details:

Name:	Guilherme Matos Passarini
Department, University & Country	Federal University, Rondônia

comment (if agreed with reviewer, correct the and highlight that part in the manuscript. It is that authors should write his/her feedback here)