

Review Form 1.6

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_89874
Title of the Manuscript:	Effects of Erythrina senegalensis (Fabaceae) stem bark aqueous extract in cardiovascular complications on hypertensive diabetic rat
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.journaljocamr.com/index.php/JOCAMR/editorial-policy>)

Review Form 1.6

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)
<p>Compulsory REVISION comments</p>	<p>Dear Ladies and Gentlemen, Dear Journal-Team, the manuscript 'Effects of Erythrina senegalensis (Fabaceae) stem bark aqueous extract in cardiovascular complications on hypertensive diabetic rat' describes the therapeutic effects of this extract in induced hypertensive diabetic rats. The tables and figures are sufficient.</p> <p>a) Please explain the contrary results of protein levels of the aorta and heart. b) Check Figure 6 for marking descriptions and correct to (HE, 100x). Was there a change in the adventitia? c) Mention all used products with the manufacturer and the main residence (Labkit in the sections Drugs and Chemicals and Biochemical analyses). d) Explain all used abbreviations, when first mentioned (PAS, PAD in section 3.2 Effects of aqueous extract of E. senegalensis on some haemodynamic parameters, FC(BPM) in Table 1, THD and HRT in section 3.4.1 Effects of E. senegalensis extract on the duration of some ECG parameters, eNOS, NF-kB, GLUT4 in the discussion). e) Format: Please use uniform spacing, when mentioning the significance levels (for example $p < 0.001$). Change to 'Figure 1' in line 1 of section 3.1 Effects of E. senegalensis extract on glycaemic evolution. And check all following sections in the same manner. Change to 'SEM' in the table and figure legends. f) References: Check the references for accuracy according to the Journal Style Guidelines. Mention for each reference that is not in English the language at the end of the reference. Check for uniform use of capital and small letters in the journal and article title. Change to 'diagnosis' in Santos I et al., check for quotation marks in Ellman G et al. and Green L et al. Check for uniform style of the references Kela A et al. and Thippeswamy B et al. g) Language: 1. Please check thoroughly the manuscript for comma use before and after using the conjunction ',respectively,'. 2. Abstract, Experimental procedure, line 7, change to: 'and an electrocardiograph'. 3. Abstract, Experimental procedure, line 8, change to: 'for biochemical calorimetric analysis and histological evaluation'. 4. Abstract, Results and conclusion, line 5, change to: 'with an increase in the P-wave'. 5. Introduction, line 3, change to: 'arterial network, where...venous network, where...contraction, whose'. 6. Plant collection and extract preparation, line 3, change to: 'Cameroon, where'. 7. Plant collection and extract preparation, line 6, change to: 'of distilled water'. 8. Animals, line 1, change to: 'male albino wistar rats'. 9. Change to '2.4 Hypertension and diabetes induction and treatment of animals'. 10. Hypertension and diabetes induction and treatment of animals, line 9, change to: 'performer strips'. 11. Hypertension and diabetes induction and treatment of animals, line 7 from the bottom, change to: 'water'. 12. Haemodynamic parameters and electrocardiograph recording, line 1, change to: 'an electrocardiograph'. 13. Biochemical analyses, line 1, change to: 'the animal'. 14. Biochemical analyses, line 8, change to: 'according to Youmbissi et al. (15). Similaraly'. 15. Biochemical analyses, line 10, change to: 'diagnostic kit from Labkit'. 16. Biochemical analyses, line 12, change to: 'and glutathione'. 17. Biochemical analyses, last line, change to: 'described'. 18. Histological analyses, line 2, change to: '100%, 3 baths each'. 19. Histological analyses, line 5, change to: 'haematoxylin-eosin staining...of the aorta'. 20. Effects of E. senegalensis extract on glycaemic evolution, line 7, change to: 'the normal group...to the diabetic hypertensive control group'. 21. Effects of E. senegalensis extract on glycaemic evolution, line 15, change to: '() lower...with the percentages'. 22. Effects of E. senegalensis extract on glycaemic evolution, line 7 from the bottom, change to: 'to the HDC group...to the HDC group with the percentages'. And thoroughly correct the whole manuscript in this manner. 23. Change to 'Effects of aqueous extract of E. senegalensis on some haemodynamic parameters', and, line 4, change to: 'in the hypertensive diabetic control'. 24. Effects of E. senegalensis extract on the electrocardiogram, line 2, change to: 'In the normal control group was a normal ECG curve with different segment waves, well identifiable intervals and regular cardiac cycles observed'. 25. Effects of E. senegalensis extract on duration of atrial depolarisation (P-wave) and ventricular repolarisation (T-wave), line 9, change to: 42.99% ($p < 0.01$) in the'. 26. Check the legend of Figure 3 for explanation of the c significance level. 27. Effects of E. senegalensis extract on the amplitude of atrial, ventricular depolarisation and ventricular repolarisation, line 5, change to: 'and T-wave'. 28. Check the legend of Figure 4 for explanation of the a and b significance level. 29. Change to: '3.6 Effects of E. senegalensis extract on some parameters of the cardiac lipid profile'. 30. Effects of E. senegalensis extract on some parameters of the cardiac lipid profile, line 5, change to: 'of 92.00%'.</p>	

Review Form 1.6

	<p>31. Effects of E. senegalensis extract on some parameters of the cardiac lipid profile, line 8, change to: 'of total cholesterol, triglycerides...of 44.87%...of 51.19%, of 58.18%, of 39.73%...with 50, 100'.</p> <p>32. Effects of E. senegalensis extract on the cardiac ionogram, line 4, change to: ', chlorine (Cl-)...in the magnesium'.</p> <p>33. Effects of E. senegalensis extract on the cardiac ionogram, line 8, change to: 'Cl- ions'.</p> <p>34. Effects of E. senegalensis extract on the cardiac ionogram, line 4 from the bottom, change to: 'by 75.95%...in the MNC, ES 50 and ES 100 groups. Both, the plant'.</p> <p>35. Effects of E. senegalensis extract on relative heart and aorta weight, line 7, change to: 'In the aorta, in the group...with the dose'.</p> <p>36. Effects of E. senegalensis extract on some cardiac tissue parameters, line 2, change to: 'glutathione (GSH),'.</p> <p>37. Effects of E. senegalensis extract on some cardiac tissue parameters, line 3 from the bottom: '50, 100...with doses'.</p> <p>38. Effects of aqueous extract of E. senegalensis on the structure of the aorta and heart, line 2, change to: 'increase in the media size...was of 74.61%'.</p> <p>39. Discussion, line 9, change to: ', who...and haemodynamics'.</p> <p>40. Discussion, line 20, change to: 'of the aortic media'.</p> <p>41. Discussion, line 25, change to: 'Because of hypertension and'.</p> <p>42. Discussion, line 26, change to: 'may control...by decreasing the heart rate'.</p> <p>43. Discussion, line 14 from the bottom, change to: ', which antioxidant'.</p> <p>44. Conclusion, line 1, change to: 'The aim of the study was to evaluate...The aqueous extract...heart structure, electrical...hypolipidemic...that preserves'.</p> <p>Sincerely,</p>	
<p>Minor REVISION comments</p>		
<p>Optional/General comments</p>		

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

Reviewer Details:

<p>Name:</p>	<p>Raphael Richard Ciuman</p>
<p>Department, University & Country</p>	<p>Germany</p>