

Review Form 3

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_127985
Title of the Manuscript:	Formulation of nutraceutical from the leaf extracts of <i>Justicia carnea</i> , <i>Ficus capensis</i> and <i>Mucuna pruriens</i> for the management and treatment of iron deficiency anemia.
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.	This manuscript effectively conveys the importance of managing iron deficiency anaemia using herbal compounds. It addresses the health issues associated with iron deficiency anaemia, which is prevalent in developing countries and holds significance for the scientific community. By exploring the biological wealth into herbal teabag formulation, it represents a cost-effective and accessible solution. The results demonstrate that the herbal approach can effectively improve the haematological parameters in an animal model (in-vivo) and shows potential for the human application. Thus, this research also contributes the further exploration of nutraceuticals in managing nutritional deficiencies.	
Is the title of the article suitable? (If not please suggest an alternative title)	Alternative title: Formulation of nutraceutical from the leaf extracts of <i>Justicia carnea</i> , <i>Ficus capensis</i> and <i>Mucuna pruriens</i> for the management of iron deficiency anaemia.	
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.	The abstract provided is generally comprehensive. However, there are several suggestions for improvement to enhance clarity: <ul style="list-style-type: none"> - Background: Include mention the prevalence of iron deficiency anaemia (globally or particularly in developing countries) to emphasize the study's relevance. - Objective: Briefly state the primary objective of the study. Example "this study aimed to evaluate the efficacy of leaf extracts of <i>Justicia carnea</i>, <i>Ficus capensis</i> and <i>Mucuna pruriens</i> in managing iron deficiency anaemia in Wistar rats." - Conclusion: <ul style="list-style-type: none"> o Clearly use only one word between "management" or "treatment". o After an introductory word oh phrase, a comma is a best. o Example "Thus, the decoction of the formulated teabag could be a good candidate for the management of iron deficiency anaemia". 	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct, but still requires improvements in these following areas: <ul style="list-style-type: none"> - Study design: the study describes a well-structured in-vivo experimental model using Wistar rat to study iron deficiency anaemia. - Methodology: the dosage and duration of treatment are clearly stated. However, the side effect are not well-described in the results, even though this is not the primary objective of the study. - Statistical analysis: the manuscript should include the detailed information on the statistical methods used to analyze the data. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	<ul style="list-style-type: none"> - https://www.researchgate.net/profile/Papiya-Bigoniya/publication/259702274_A_review_on_herbal_anti-anaemic_plants/links/561cdd0708aea80367266310/A-review-on-herbal-anti-anaemic-plants - https://www.researchgate.net/profile/Maryam-Sarwat/publication/367203764_Article_Info_Ar_tic_le_histo_ry_Nutraceutical_interventions_for_anaemia_Annals_of_Phytomedicine_112_75-81_2022_Annals_of_Phytomedicine_An_International_Journal_httpwwwukaazpublicationscom 	

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	<p>publicationsi/links/63c6a0b76fe15d6a57291a7b/Article-Info-Ar-tic-le-histo-ry-Nutraceutical-interventions-for-anaemia-Annals-of-Phytomedicine-112-75-81-2022-Annals-of-Phytomedicine-An-International-Journal-http-wwwukaazpublicationscom-publicati.pdf</p> <ul style="list-style-type: none"> - https://www.taylorfrancis.com/chapters/edit/10.1201/9780429437632-7/nutraceuticals-anaemia-pregnancy-deepti-kaushalkumar-jani - https://www.ijmrset.com/upload/30_Use_NC.pdf - https://www.sciencedirect.com/science/article/pii/S2665927123002058 - https://www.researchgate.net/profile/Onuabuchi-Ani/publication/344158332_Evaluation_of_micronutrient_composition_and_antioxidant_effects_of_the_extracts_of_the_leaf_of_Justicia_carnea/links/5f56974ca6fdcc9879d6265a/Evaluation-of-micronutrient-composition-and-antioxidant-effects-of-the-extracts-of-the-leaf-of-Justicia-carnea.pdf - https://www.mdpi.com/1420-3049/25/3/534 - https://publications.africanscientistjournal.org/sites/default/files/2024-06/3-afs2024005-25103.pdf - https://link.springer.com/article/10.1186/s40816-020-00234-4 	
Is the language/English quality of the article suitable for scholarly communications?	The language quality of the manuscript is generally suitable for scholarly communication; however, certain aspect requires improvements. Issues such as grammar, punctuation, and consistency in terminology should be addressed to enhance readability.	
Optional/General comments	Overall, this manuscript is good and meets scientific criteria. However, there are several minor revisions that require more attention to detail, particularly regarding grammar and punctuation. The authors need to maintain consistency in using either the term "management" or "treatment" throughout the text, as selecting just one term will make the writing more effective and efficient. Scientific names of species or plants should be italicized. Additionally, including graphs in the results section could help clarify the study's outcomes and make it more engaging for readers. Furthermore, the statistical methods used should be clearly explained in the methodology 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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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