

Review Form 3

Journal Name:	Asian Journal of Research in Zoology
Manuscript Number:	Ms_AJRIZ_125847
Title of the Manuscript:	Investigation on the effect of <i>Sacoglottis gabonensis</i> on blood glucose, body weight and behavioural changes of mice exposed to non-nutritive sweeteners during gestation period.
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This work is interesting. It has shown that artificial sugars have an effect on blood sugar levels despite the fact that these substances have no nutritional value, and the importance of using a plant “ <i>Sacoglottis gabonensis</i> ” that can regulate the rise in blood sugar levels.	
Is the title of the article suitable? (If not please suggest an alternative title)	I think the title is appropriate for this work. It is clear and objective.	
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.	It is preferable to begin directly with the objective of the study without adding this part: “Aspartame, sucralose and acesulfame k are common artificial sweeteners in food and drugs industry. They are used to duplicate the effect of sugar in taste by diabetics and calorie conscious people. Some researchers have linked their consumption to health problems such as systemic diseases, behavioural and cognitive effect amongst others.”	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This work shows the impact of sweeteners on weight change and glycemia levels. The determination of two parameters was carried out by two devices: the precision balance and the digital glucometer. The use of a <i>Sacoglottis gabonensis</i> that can lower glycemia levels is an alternative that can replace the use of sweeteners. These substances can cause various health problems.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The references used are between 2008 and 2022 a reference is repeated twice: Qin, P., Li, Q., Zhao, Y., Chen, Q., Sun, X., Liu, Y., Li, H., Wang, T., Chen, X., Zhou, Q., Guo, C., Zhang, D., Tian, G., Liu, D., Qie, R., Han, M., Huang, S., Wu, X., Li, Y., Feng, Y., ... Zhang, M. (2020). Sugar and artificially sweetened beverages and risk of obesity, type 2 diabetes mellitus, hypertension, and all-cause mortality: a dose-response meta-analysis of prospective cohort studies. European journal of epidemiology, 35(7), 655–671.	This reference appeared twice in the index citation; we have removed one of it.
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	good but there are some spelling mistakes	We carried out some spelling corrections
Optional/General comments	It's important to specify the type of sweetener used in the study, because in the manuscript the authors cite three sweeteners with a single concentration. Did they use each sweetener alone or a mixture of sweeteners?	The sweetener used was sold under a trade name ezbon, it contained sucralose, Acesulfame-k and Aspartame.

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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>	We have carried out the corrections specified by the reviewers.