

Review Form 3

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_125859
Title of the Manuscript:	DETERMINATION OF THE BIOCHEMICAL COMPOSITIONS OF STORED EXPRESSED HUMAN BREAST MILK OF HEALTHY LACTATING MOTHERS.
Type of the Article	

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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.
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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 manuscript is valuable to the scientific community as it explores the socio-demographic factors affecting breastfeeding practices and the impact of storage conditions on the nutritional properties of human breast milk (HBM). It provides important data on the biochemical composition of HBM across different maternal age groups. I appreciate its comprehensive approach, combining demographic and biochemical analysis, which offers useful insights into lactation and milk storage practices.	Thank you for your articulate response.
Is the title of the article suitable? (If not please suggest an alternative title)	Impact of Storage Conditions on the Biochemical Composition of Expressed Human Breast Milk from Healthy Lactating Mothers	This is amazing. However, the identified topic was in-line with the agreement of all contributing authors and will need their collective consent to make a change. Also, the identified title is strictly in-line with the ethical approval of the study and making a change will require more documentation.
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.	Yes	This is encouraging.
Are subsections and structure of the manuscript appropriate?	Yes	The template was very helpful. Thanks.
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 manuscript is scientifically robust because it uses a well-defined sample size of sixty lactating mothers, which enhances the reliability of the data. The methodology includes thorough biochemical analyses and confirmation tests for essential nutrients, ensuring a comprehensive evaluation of expressed human breast milk. Furthermore, it evaluates the effect of storage conditions on the stability of bioactive compounds, providing valuable insights for infant health.	Thank you
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are too less It shows just a paper for each mentioned year, the author can include more recent relevant sources.	We will look into further case studies and try to update our references.
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, satisfactory except few grammatical errors	Thank you for this observation. We will subject them to more proofreading.
<u>Optional/General</u> comments	Table No. 7 lacks proper data to come to a valid conclusion The materials and methods is not written as to maintain journals quality policy The statistical data is not provided to consider the research work valid. The room temperature and storage conditions not mentioned as per their geographic conditions. The title and the study does not go hand in hand, title says biochemical composition, but result and discussion demonstrates the lactating mothers health which leads to variation in the composition, the title must be taken care of by the authors. Some figures also could be taken where the actual tests were performed. The research work to me appears to me a basic biochemical tests only.	Thanks for your meticulous observation. Table No. 7 was a part of the manuscript that was intended for separate publication from the same study. It was an oversight bringing it in. We crave your indulgence. The room temperature (29 °C) and storage conditions (2 - 8 °C) were mentioned (3.1.2). The topic is indeed, in-line with the body of the manuscript. The health of lactating mothers as mentioned by the review was seen via the questionnaire. This helped us make an informed choice on how our study was designed. From 3.1.3, we were implicating our results with our observed nutritive factors in relation with the demographical studies of the sample size.

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>	