

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Biochemistry, Genetics and Molecular Biology</a>
Manuscript Number:	Ms_AJBGMB_125887
Title of the Manuscript:	Zinc Status and Correlation with Lipid Profile During Infant and Child Malnutrition
Type of the Article	Research Article

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> 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>
<p><b>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.</b></p>	<p>This manuscript makes an important contribution to the field of pediatric nutrition, specifically by investigating the correlation between zinc deficiency and lipid profiles in malnourished children. Given the critical role of zinc in numerous enzymatic and metabolic processes, understanding its impact on lipid metabolism can offer new insights into the management of malnutrition in developing countries. The study's findings could help refine nutritional interventions for malnourished children, contributing to better long-term health outcomes. Overall, this manuscript addresses a vital topic with significant public health implications.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title, "Zinc status and correlation with lipid profile during infant and child malnutrition," appropriately reflects the content of the manuscript. However, it may benefit from being more specific regarding the study's design and population. A more precise alternative could be: "Zinc Deficiency and Its Impact on Lipid Profiles in Malnourished Children: A Cross-Sectional Study in Senegal." This revised title emphasizes the geographic and clinical context, which might attract a more targeted readership.</p>	
<p><b>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.</b></p>	<p>The abstract provides a good overview of the study's aim, methods, and key findings. However, it lacks sufficient detail about the statistical methods used, which are critical to understanding the robustness of the findings. Additionally, the clinical relevance of zinc supplementation should be more prominently featured in the conclusion to highlight the study's potential practical applications. For instance, a sentence such as, "Zinc supplementation may serve as a preventive measure against dyslipidemia in malnourished children," could be added to highlight its implications.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The manuscript is well-structured, with a clear division between the introduction, methodology, results, and discussion. Each subsection appropriately supports the flow of the study. The methodology is detailed, allowing for reproducibility, and the results are presented in a logical manner supported by tables and figures. One recommendation is to provide more detailed figure legends to ensure that readers can fully understand the visual data without referring back to the text.</p>	
<p><b>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.</b></p>	<p>This manuscript appears to be scientifically robust and technically sound. The methodology is appropriate for the cross-sectional design and clearly outlines how zinc and lipid profile measurements were taken. The statistical analyses (e.g., ANOVA and correlation tests) are valid and well-applied, supporting the conclusions drawn. The study finds significant correlations between zinc levels and lipid profiles, which aligns with existing literature. Additionally, the authors provide a well-balanced discussion that places their results in the context of global malnutrition research, further strengthening the manuscript's scientific rigor.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> =</p>	<p>The references listed are adequate, relevant, and recent enough to support the manuscript's conclusions. The cited studies cover key areas of zinc deficiency, malnutrition, and lipid metabolism, ensuring that the manuscript is well-grounded in the existing literature. However, the addition of more recent meta-analyses or large-scale studies on zinc's broader effects on child health and development could further enhance the literature review. For example, studies examining the role of zinc supplementation in diverse populations and its long-term health impacts could provide a more comprehensive backdrop for this research.</p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Language/English Quality. The manuscript's language is generally clear, but it could benefit from minor grammatical improvements and refinement of academic tone. Some phrases are awkwardly constructed, and there are occasional issues with article usage and punctuation. A thorough language editing service would improve the manuscript's readability and overall scholarly presentation.  Formatting. The manuscript could benefit from consistent formatting, particularly in the representation of statistical data in the results section. Furthermore, figure legends should be more detailed for clarity.	
<b>Optional/General</b> comments	This manuscript provides valuable insights into the relationship between zinc deficiency and lipid profiles in malnourished children, a subject of importance in global health. The findings could serve as a foundation for future research on the management of malnutrition in resource-limited settings. Expanding the discussion to include potential public health policies and the long-term effects of zinc supplementation in malnourished populations could further enhance its relevance.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes. Kindly please write down the ethical issues here in details)</i>	

### **Reviewer Details:**

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