

### Review Form 3

Journal Name:	<b>Asian Journal of Biochemistry, Genetics and Molecular Biology</b>
Manuscript Number:	<b>Ms_AJBGMB_121351</b>
Title of the Manuscript:	<b>Enhancing Food Safety in Africa: The Role of Molecular Biology Approaches</b>
Type of the Article	

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**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</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>First of all, let me to express my gratitude for your initiative in carefully examining and resolving food safety issues in Africa. As you are aware, problems with food production are presently a major barrier in many parts of the continent, in part because of the limited application of contemporary technologies that have the potential to improve the quantity and quality of food supply. In order to maintain community health and well-being, I think this review will give African scientists important insights that will enable them to prioritize changes in the nutritional production chain using cutting-edge molecular methods.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>In my point of view, the title of the <b>manuscript</b> would be written: <b>"Improving food safety in Africa through molecular biology approaches"</b></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 lacks coherence and contains superfluous phrases and words such as "molecular techniques." We kindly request the authors to rework and reword the text. Additionally, it has been suggested in this review that the authors would like to examine the molecular methods of food safety research in Africa and establish future directions for the detection of contaminants and pathogens using cutting-edge molecular tools. However, it has been noted that the researchers have shown that there is a dearth of sophisticated molecular techniques, so how could you offer guidance to the researchers on the continent? Both the abstract and the title seem to be contradictions. Kindly rewrite the text keeping in mind the title and the facts you want to convey from a scientific standpoint..</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>While some of the subsections in the paper make sense, there is a lack of specificity in some of them, such as "molecular biology approach is general terminology, better to be focused. If I were you, I would be focused on one of the molecular biology tools; perhaps it could be next generation sequencing, Conventional or something like that. As a result, this manuscript lacks precision and consistency. Could you please be more specific?</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>Even though it lacks coherent and specificity, the scientific contribution of this comprehensive review would be really wonderful. To be honest, reviewing related "Improving Food Safety in Africa through Molecular Biology Approaches" necessitates a thorough analysis of the state of the field, taking into account issues such as microbial contamination and foodborne illnesses, as well as how molecular methods like PCR and genome sequencing are applied in this particular setting. It entails examining the viability, scalability, and effects of these techniques on public health outcomes in Africa as well as detection and traceability. The assessment should take into account the need for validation, standardization, and capacity-building in</p>	

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	addition to addressing the legal, cultural, and financial obstacles to implementation. In order to improve food safety in various African regions, it is crucial to highlight successful case studies and future paths for innovation and collaboration. This should be done with an emphasis on bridging policy and technological barriers.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> -	<b>The references are fine and have no comments in this part.</b>	
Minor REVISION comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language is fine, but there is the lack of coherent, paraphrasing, and missing of citation of the proper references. Many ideas only have taken into account as the notion of the authors, but that is not. For example. the first paragraph of the introduction lacks reference.....and many more part of the paper lacks the similar one.	
<b>Optional/General</b> comments		

**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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