

Review Form 3

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_124356
Title of the Manuscript:	Genomic Evolution and Dynamics of Drug Resistance in Mycobacterium Tuberculosis across West Africa
Type of the Article	Review Article

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PART 1: Review Comments

Compulsory 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.	The information of Mycobacterium strains, lineages, diversity, and resistance mechanisms are all in one place. The study presents the proportion of incidences in various parts of Africa.	The authors appreciate this comment.
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, It is a good one	The authors appreciate this comment.
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 is well written, touching every section of the article. However, some resistance mechanism or cause of resistance should be highlighted in the abstract.	The authors have addressed this.
Are subsections and structure of the manuscript appropriate?	The methodology section seems odd, as the article is not a research article, the authors are just using already available data.	The authors have addressed this.
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.	the manuscript is scientifically written relevant to the question “the incidence of MDRTB in Africa”, the study is designed appropriately, the data is availed from trusted databases, and the conclusion is appropriately suited. However, the analysis and the results are not well interpreted, that are needed to be explained peculiarly. The writing is clear and concise, properly cited and referenced.	The authors have addressed this.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Yes, the references are recent and well cited. They are in a good number.	The authors appreciate this comment.

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<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The manuscript needs to be reviewed by some native English speaker to improve the language to scholarly communication standards. The minor grammatical and formatting issues need to be resolved.	The authors have addressed this.
<u>Optional/General</u> comments	<p>The draft of the article should be in continuous numbering so that the modifications and amendments required can be referred easily.</p> <p>Abstract The abstract is comprehensive, providing a succinct overview of the background, aim, methodology, and conclusions.</p> <ul style="list-style-type: none">● End Tuberculosis Strategy is something to be mentioned peculiarly. So, it should be in inverted commas. <p>Introduction The introduction is well setting the context by discussing the background of Mycobacterium tuberculosis, its strains and lineages, and the factors contributing in the spread and resistance development in the strains. However, minor modifications can further enhance the clarity of the context.</p> <ul style="list-style-type: none">● The quality of introduction could be enhanced by throwing some light on “End Tuberculosis Strategy”, mentioning the incidences of disease in different countries you are mentioning for better understanding in the context.● Discuss some potential strategies and their implications in controlling and mitigating the effects of the disease on public health.● A few lines on the disease and its mechanism should be added in the introduction to attract the reader’s attention.● Compare findings with other studies and discuss potential strategies for implementing genetic programs. <p>Methods</p> <ul style="list-style-type: none">● As the article is not a research article, so there should not be a methodology section, rather the section could be given some alternative title like Approach, literature search etc.● What was the criteria for inclusion or exclusion of data from the databases.● The figures should have captions detailing the graphs and graphs.● The mechanisms of drug resistance are well explained; However, a better understanding can be provided to readers by adding some diagrammatic illustrations. <p>Future Directions and Recommendations</p> <ul style="list-style-type: none">● Add some details of medicinal anti tuberculosis plant, its effect and potential in treating the disease. <p>Address minor grammatical and formatting issues in the article to improve readability.</p>	The authors have addressed this.

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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>	