



**Therapeutic Strategy to end Tuberculosis (TB) World: Structural and
Functional Characterization of Potential Weak Hotspots of *Mycobacterium
tuberculosis* Molecular Targets from Combinatorial *in silico* Perspective**

**REBUTTAL LETTER TO MINOR Ph.D. THESIS
CORRECTIONS**

Adeniyi Thompson, ADEWUMI

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SUPERVISOR: Prof. Mahmoud E. Soliman

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Dear Sir,

Rebuttal Letter: Adeniyi Thompson, ADEWUMI (Ph.D. Pharmaceutical Chemistry)

Following the recommendations regarding my thesis titled **“Therapeutic Strategy to end Tuberculosis (TB) World: Structural and Functional Characterization of Potential Weak Hotspots of *Mycobacterium tuberculosis* Molecular Targets from Combinatorial *in silico* Perspective”**, a rebuttal letter explaining the changes made on the final thesis is attached. The changes incorporate the suggestions of the examiners.

The comments were found to be very constructive. We have addressed all the changes recommended by the examiners and we are confident that the thesis is now easier to understand and has a more fluent scientific discourse.

The revisions are addressed on the subsequent pages. Attached is the revised thesis with amendments made in red print.

Examiners' Comments	My Feedback Comments
Examiner One Report	
<p>The research work is meticulously planned.</p> <p>The novelty as well as scientific level of the thesis is good. The literary presentation of the thesis is concise and good. The critical discussion of the obtained results is confirmed by research papers published in highly ranked scientific Journals. The subject is studied with critical view and appropriate numbers of bibliography sources are used.</p> <p>In view of the above facts, I recommend that the thesis be accepted for the award of PhD degree to Mr. Adeniyi Thompson, Adewumi.</p>	<p>The Author would like to thank the examiner for his excellent remarks</p>
Examiner Two Report	

<p>This PhD thesis report appears to be well organized and presented. The conclusion and future perspectives are presented.</p> <p>The research envisage is validated with pertinent references. Chapter 1 & 2 are well written.</p> <p>The candidate seems to have carried out good quantum of work. The objective of the thesis, the computational techniques including molecular modelling, hot spots pharmacophore, identification, and MD simulations to design potent drugs for effective treatment of tuberculosis and other bacterial infection has been well justified with relevant literature support.</p> <p>There are some minor errors that need to be addressed in revision. For ex.:</p>	<p>The Author appreciates the examiner on his good comments.</p>
<p>In the abstract section 6th line, written as “20 Years months”</p>	<p>The correction has been made.</p>
<p>In the preface section, under chapter 1, Written “relevance of the and further”</p>	
<p>Thesis has to be corrected for grammatical or</p>	<p>The whole text was checked for error</p>

Typo errors and the reference citations in the text need to be checked again for mistakes.	and corrections were made.
The figures legends should be mentioned below the figures. For ex. Figure 5.3 The references are not cited uniformly in the Text with one format. For ex., section 5.6.3 Written as Sukheja et al., (2017).	The correction has been made.
The main weakness is that chapters end Somewhat abruptly with no attempt to summarize and reflect upon what has been covered.	
It would have been better if shortcoming and potential for further works is highlighted with sufficient details for others to conceive the idea.	Few Shortcomings and more future potential study have been detailed.
Examiner Three Report	
	Feedbacks
The present PhD project has clearly contributed to this effort because it provides useful insights and results for advancing our	The Author appreciates the examiner for his excellent commendations.

knowledge about potential drugs against bacterial diseases, particularly

Indeed, this dissertation describes well the relevant aspects of the state of the art in the field, the existing limitations and performance targets to be met.

The original and innovative aspects of the proposed research study are well identified and convincing. Its objectives are clearly formulated and reflect the high quality of the proposed research topic. This in turn gives rise to selective inhibitors targeting the Mtb most important receptors and will certainly lead to the discovery of more potent, less toxic, and more specific antitubercular drugs.

Sincerely

Adeniyi Thompson, ADEWUMI (217079070)

Ph.D. Corrections Rebuttal Letter
name
student number