

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_124545
Title of the Manuscript:	<b>Synthesis, Characterization, And Antimicrobial Activity Of Mixed Antibiotic-Vitamin Metal Complexes Involving Metronidazole And Vitamin B1 (THIAMINE)</b>
Type of the 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>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.</p>	<ol style="list-style-type: none"> <li><b>Relevance:</b> The emphasis on antimicrobial resistance (AMR) is particularly significant in light of the ongoing global health crisis it poses.</li> <li><b>Innovative Approach:</b> The synthesis of mixed antibiotic-vitamin metal complexes is a novel strategy that shows promise for enhancing treatment efficacy.</li> <li><b>Diverse Testing:</b> The research inclusion of both bacterial and fungal strains for antimicrobial testing highlights the nature of the research.</li> <li><b>Methodology:</b> The use of various physicochemical methods for characterization demonstrates a solid experimental approach.</li> <li><b>Promising Results:</b> The enhanced activity of the metal complexes against specific strains suggests valuable potential for future therapeutic applications.</li> </ol> <p><b>Dislikes:</b></p> <ol style="list-style-type: none"> <li><b>Complexity of Concepts:</b> the scientific terminology and methods difficult to understand without a background in chemistry or microbiology.</li> <li><b>Future Directions:</b> The conclusion could benefit from more detailed suggestions for future research or clinical applications.</li> </ol> <p>Overall, the study presents valuable insights into a critical area of research, although it may need clearer explanations for broader accessibility.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>no</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes</p>	
<p>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.</p>	<p>This manuscript demonstrates scientific robustness through a clear rationale and well-structured approach to addressing antimicrobial resistance (AMR). The introduction highlights the therapeutic strategies, such as metal complexation with antibiotics and vitamins, to improve efficacy and reduce resistance. The antimicrobial testing methods, including the Agar-well diffusion technique, are commonly accepted in the field and provide reliable data for evaluating the efficacy of the synthesized complexes. Finally, the manuscript appropriately integrates recent literature to support the research, ensuring the findings are well-grounded in current scientific understanding.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>yes</p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Grammarly revision required (lot of grammar error)	
<u>Optional/General</u> comments	Overall, the research is relevant	

### **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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