Review Form 3

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	**Ms_AJRB_130346**
Title of the Manuscript:	**GREEN SYNTHESIS OF METAL COMPLEXES OF THIAZOLE-BASED SCHIFF BASES: A REVIEW**
Type of the Article	**Research paper**

PART 1: Comments

	Reviewer's comment	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it explores green approaches in the synthesis of metal complexes of thiazole-based Schiff bases, an area that remains largely untapped. By emphasizing sustainable methods such as microwave irradiation and mechanochemical synthesis, it aligns with the 12 principles of green chemistry, which are critical for reducing environmental impact and enhancing process efficiency. Additionally, the potential application of biocatalysis in synthesizing these complexes represents a promising avenue for future research, leveraging advancements in biotechnology and instrumentation. The findings and insights presented could inspire further studies aimed at sustainable and innovative synthesis techniques, contributing to both scientific progress and environmental stewardship.	
Is the title of the article suitable? (If not please suggest an alternative title)	**Yes**	
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.	**Yes**	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Add this reference Biomass nanoarchitectonics using an agro waste extract for biological performance of samarium doped zinc oxide nanoparticles	
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	This manuscript provides a valuable contribution to the field of green chemistry by highlighting sustainable synthesis methods for thiazole-based Schiff bases and their metal complexes. The focus on underexplored techniques such as microwave irradiation and mechanochemical synthesis offers practical insights into reducing environmental impact and improving efficiency in chemical synthesis. Furthermore, the discussion of biocatalysis as a potential future approach underscores the manuscript's forward-looking perspective and relevance to emerging trends in biotechnology. The work is well-aligned with the goals of advancing eco-friendly methodologies and could serve as a catalyst for further research in this promising area.	

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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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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