



SDI Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_40913
Title of the Manuscript:	Synthesis, Spectral and Thermal Characterization with Antimicrobial Activity Studies on Some Metal Complexes Containing Schiff Base Ligand
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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)
Compulsory REVISION comments	<p>In this manuscript, the authors describe the analysis of a series of metal-containing Schiff-base compounds. Compounds are chemically analysed and functionally examined for antibacterial properties. The chemistry is well performed and described, including the analysis of the compounds. Overall, the manuscript should be accepted for publication, provided that the following major points are addressed:</p> <ol style="list-style-type: none"> 1) Figure 2 shows the general synthesis pathway, making Figures 3 to 6 obsolete. These Figures can be removed or presented in a supplement if needed. 2) Table 1 is very informative and shows reaction yield of all compounds. Additional column should be added on how purity was determined, were compounds further purified to homogeneity? This is not clear from the Table 3) Figures 11-19 and the accompanying text should be provided as technical supplement. If for clarity, there is a need to show IR spectra, then only one example can be given in the manuscript itself. 4) Similar for Figures 20 to 25. All data can be presented in one Table, with only one Figure given as an example to show the data to readers who may not be familiar with these experiments. All other Figures can be given in the supplement 5) The antibacterial assay chosen is not the most reliable one and should be complemented with MIC broth dilution assays. Zone disk diffusion is notoriously difficult, in particular when DMSO is used as solvent. DMSO should be included as a control by itself, and preferably one or two more other antibiotics such as penicillin and vancomycin. As the data are presented now, the conclusion that compounds have moderate to strong antibacterial activity is premature. 	
Minor REVISION comments		
Optional/General comments	The manuscript needs to be edited for English, there are too many errors in grammar and use of verbs that need to be corrected in order to meet standards. This includes virtually all sections of the text as written.	

Reviewer Details:

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