



SDI Review Form 1.6

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_54376
Title of the Manuscript:	Synthesis, Characterization, Antibacterial and Thermal Studies of Cu(II) Complex of Thiophene-2- aldehyde Semicarbazone
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>)

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>Fig 1: The structure has no charge balance. Please check the structure. It is very rare for a copper complex to have trigonal bipyramidal geometry. Where did the water come from?</p> <p>Pg4; Is the ligand a new ligand? It seems to be a common structure that I find it hard to believe no one has reported before. Please include appropriate references.</p> <p>Table 1: Report mp as a range.</p> <p>Table 2: ESI-MS has too many significant figures.</p> <p>FTIR Spectra should be labelled and stacked (overlay) using appropriate software. Where are the spectra of starting materials? The metal complex spectrum also looks like the sample was wet or impure.</p> <p>The TGA should show the loss of the water? At less than 100 degrees (if water is present as a ligand?)</p> <p>Where is the standard for the antimicrobial data?</p> <p>There needs to be sufficient proof of formation of the desired complex by NMR and SXRD to prove the purity and identity before biological analysis can be carried out.</p>	
Minor REVISION comments	nil	
Optional/General comments	nil	



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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>	

Reviewer Details:

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