



SDI Review Form 1.6

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| Journal Name: | Asian Journal of Chemical Sciences |
| Manuscript Number: | Ms_AJOCS_48032 |
| Title of the Manuscript: | Synthesis, Characterization and Antimicrobial Activity of Metal Complexes of N-(4-methoxybenzylidene) isonicotinohydrazone Schiff base |
| Type of the 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 | <ol style="list-style-type: none"> Abstract should read "...Ni(II), were synthesized by the condensation....(p-anisaldehyde), characterized by FTIR..." Abstract should read "The results indicate that all complexes consist of N and O coordination with metals and have.....activity." Keywords. Transition metals should be changed to Cu(ii) and Ni(II) to make it much more direct and specific. Introduction. Paragraph 1 should read "...opportunities for altering.....and making them active against..." Introduction. Paragraph 3 should read "...like antibacterial [9-10], antimycobacterial....." Introduction. Paragraph 5 should read "..R-CO-NH-N=CHR act as..." [No verb]. Introduction. Paragraph 5 should read "... ..the carbonyl group and hence their ability to coordinate in vivo to the metals." Introduction. Paragraph 6 should read "Taking these antecedents into account, this work reported the synthesis.." Experimental 2.1. The topic should read "General Procedure to synthesize..." or "General Procedure for the Synthesis of.." Experimental 2.1. Paragraph 1 should read "...brought to boiling to produce a slurry..." Experimental 2.1. Paragraph 1 should read "...stand overnight and finally a white crystalline solid produced was filtered off and dried." Experimental 2.3. Paragraph 4. The sentence "The observed....Table 4" should be omitted because it is for results and discussion section and it has already mentioned there (Results and Discussion 3.3. Paragraph 1) . Results and Discussion 3.2. Paragraph 3. The sentence "The spectra...geometry [25-27]." Needs to be rewritten because there is no conjunction and the sentence is hard for the readers to understand. Results and Discussion 3.2. Paragraph 4 should read "...Conductance), the structure as shown in Figure 2 can be..." Results and Discussion 3.3. Paragraph 2. What are the criteria for good and moderate antibacterial activity and references involved? Results and Discussion 3.3. Paragraph 3 should read "...theory [32], the former concerning cell permeability that the lipid membrane surrounding the cell favors the passage of only lipid soluble materials which in turn reflects that their liposolubility is an important factor controlling the antibacterial activity." Results and Discussion 3.3. Paragraph 3 should read "....may also be the reasons for.." Conclusions. Paragraph 1 should read "...have been investigated by spectroscopy and...(all techniques must be clearly specified here)." Conclusions. Paragraph 1 should read "... ..nitrogen to result in a square-planar..." Conclusions. The only sentence of Paragraph 2 should read "The synthesized complexes are found to be moderately active with respect to the standard against all bacteria experimented and more active than the ligands." All other sentences should be omitted. The other point is that in the text it was shown to be good to moderate activity. So what is the exactly correct conclusion here? References. (From random check) No. 3 should be checked again. What does | |



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| | <p>extra symbol mean?</p> <p>22. References. (From random check) No. 6 should be checked again for font.</p> <p>23. References. (From random check) No. 12, 13, 14, 17, 22 and 33 should include the titles.</p> <p>24. References. (From random check) No. 33 should be no J.</p> <p>25. References. (From random check) All should be consistent with the full stops (periods), etc.</p> | |
| <u>Minor</u> REVISION comments | | |
| <u>Optional/General</u> comments | | |

PART 2:

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| | Reviewer's comment | Author's comment <i>(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)</i> |
| 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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|----------------------------------|--|
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| Department, University & Country | <i>Prince of Songkla University, Thailand</i> |