



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	<b>Ms_JMSRR_56339</b>
Title of the Manuscript:	<b>Synthesis, Characterization, Thermal Analysis and Antibacterial Activity of Cu(II) and Ni(II) Complexes with Thiosemicarbazone Derived from Thiophene-2-aldehyde</b>
Type of the Article	<b>Original Research Article</b>

**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)
<b>Compulsory</b> REVISION comments	This manuscript is suitable for publication. Authors should incorporate some minor revisions. I am sending in this document the observations in order to improve the manuscript.	
<b>Minor</b> REVISION comments	<p>1) Please improve the English version in all the document. I have some examples to show how the English must be improved: In Abstract: "The results shows" In other parts of the manuscript: "The data also revealed that the metal-to-ligand ratio for the complexes was 1:1." or "The low molar conductance value shown in Table 2 indicate".</p> <p>2) In the sentence "have a wide spectrum of pharmacological properties, such as antibacterial, antifungal, antiparasitic, and antiviral [29-32]." Citation about viruses is missing. Furthermore, to give mor impact to this manuscript, I suggest to point out the possible use of such compounds against coronavirus in:  <a href="https://link.springer.com/chapter/10.1007/978-3-642-68487-6_5">https://link.springer.com/chapter/10.1007/978-3-642-68487-6_5</a></p> <p>3) The description of the microbe in methods is missing. Please complete this information about the use of these organisms.</p> <p>4) Complete the information (company, country) in methods "Nutrients based on agar and peptone, agar, sugar, marmite were used to develop microbes and observe the effects of the chemicals on them. "</p> <p>The same for the instrument in "A digital melting point apparatus was used to identify the melting points of synthesized compounds"</p> <p>5) Correct the name of the chemical compound in "Tthiophene-2-aldehyde" in 2.3 Synthesis of the Ligand, Thiophene-2-aldehyde Thiosemicarbazone (L)</p> <p>6) Separate the quantities from the units (mL, g, et al)</p> <p>7) Write correctly the used biological names</p> <p>8) Include in Fig. 2 the possible reaction mechanism</p> <p>9) Complete the acronyms in Tables 1 and 2 and next (i.e. "BM" and others)</p> <p>10) "Microanalysis" is a single word</p>	
<b>Optional/General</b> comments		



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**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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