

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_122498
Title of the Manuscript:	Synthesis, Characterization and Antimicrobial Activities of Pyrrolidin-2-ylidene-2,(4-chlorophenyl)semicarbazone and its Cd(II) complex
Type of the Article	research

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The article is well organized and the results are clear, new and good. But it needs some important points	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes it is	
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.	- The authors should revise and improve the whole abstract by mentioning the causes and rationality alongside the critical overview of this review of this paper.	
Are subsections and structure of the manuscript appropriate?	Its appropriate	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The research included the preparation of a new ligand with a new complex, its identification, and the study of its biological activity against bacteria.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	1- Hayfaa A. Mubaraka, Alaa Ali Husseinb, Wisam Abdul Jaleel Jawad, Mustafa M. Karhib, Nour Abd Alrazzak, Mohanad Mousa Kareem, Ahmed Samir Naje; Synthesis and characterization of new 4,6-dimethoxy-1H-indole derivatives as antibacterial and antitumor agents; Eurasian Chem. Commun. 5 (2023) 411-424, DOI: 10.22034/ecc.2023.370895.1564. 2- Hayfaa A. Mubarak, Khalida A. Thejeel, Mustafa M. Karhib, Mohanad Mousa Kareem, Synthesis, characterization, and evaluation of antibacterial and antioxidant activity of 1, 2, 3-triazole, and tetrazole derivatives of cromoglicic acid; Eurasian Chem. Commun. 5 (2023) 691-700, DOI: 10.22034/ecc.2023.391431.1614.	

Review Form 3

Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	<ul style="list-style-type: none">- The introduction section arouse the broader interest of the readers. Compare the estimated results with literatures.- I suggest that the authors should provide more comparative samples to give more clarification to the results of the study.- The introduction requires more references because of the large amount of information it contains- The literature in the manuscript should be updated (currently, only a few recently published literature).- If compounds are new, HNMR AND 13C NMR data MUST be recorded and added to the manuscript - I believe the authors have tried their best in reporting the work, but they still need to do more justice to the discussion because it is not exhaustive enough. Furthermore, they ought to back up their findings with evidences from previous studies. I recommend that the paper should be accepted for publication as soon as these corrections are effected.- The authors write: Completion of the reaction was monitored by TLC, how??? Add eluent: percent, and which technical tool was used to visualize the spots?- In order to have antibacterial activity, it is crucial to specify the references or origin of the strains used.- Results and discussion section needs a lot of improvement. It is important to mention the effect of substitutions on the Schiff base yield and ultimately on the bioactivity carried out.-	

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:

Name:	Mohanad Mousa Kareem
Department, University & Country	University of Babylon, Iraq