

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_126795
Title of the Manuscript:	Synthesis, characterization and crystal structures of bis[(4-methyl-1-(1-(pyridin-2-yl)ethylidene)thiosemicarbazide-κ3S,N,N)zinc(II)]
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript is based on Schiff bases which is widely studied due to their diverse potentialities as anticancer, antibacterial, antifungal and biocide. Coordination complexes of these Schiff bases are able to enhance or inhibit some of these properties. In addition to the important biological properties observed, physical properties are noted. The original structures of these transition metal complexes formed with these Schiff bases lead to physical properties such as magnetism, fluorescence or catalysis. Such type of work is demand of current scientific community.	
Is the title of the article suitable? (If not please suggest an alternative title)	No, because this manuscript discuss about only one crystal structure. Therefore the title should be "Synthesis, characterization and crystal structure of bis(4-methyl-1-(1-(pyridin-2-yl)ethylidene)thiosemicarbazide-κ^3S,N,M)zinc(II)" .	
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.	Yes, Line no.s 14-16. Each of the azomethine ligand was coordinated to Zn(II) ion through one azomethine nitrogen atom, one pyridine nitrogen atom and one sulfur atom, yielding a hexacoordinated Zn(II) complex. Underlined should be octahedral.	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	This manuscript is based on Schiff bases which is widely studied due to their diverse potentialities as anticancer, antibacterial, antifungal and biocide. Coordination complexes of these Schiff bases are able to enhance or inhibit some of these properties. In addition to the important biological properties observed, physical properties are noted. The original structures of these transition metal complexes formed with these Schiff bases lead to physical properties such as magnetism, fluorescence or catalysis. Such type of work is demand of current scientific community.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are sufficient but their DOI or Links are not provided. It must be there for proper suitability. ty. ty.	

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Minor REVISION comments	Yes	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<ol style="list-style-type: none">1. Introduction section is not discussed in detail.2. The subsection of synthesis part 2.2 Synthes du ligand should be Synthesis of ligand (4-methyl-1-(1-(pyridin-2-yl)ethylidene)thiosemicarbazide (H₂L).3. The written texts are not in uniform way. The font are written in Arial of size 10 with line space 1.0. The font should be in Time New Roman of size 12 with line space 2.0.4. The heading font should be in Time New Roman Bold of size 12 with line space 2.0.5. Line no,s 54 and 55. Some symbols are written in bold while some are in normal font.6. Line no. 58 should be Synthesis of Zn(II) complex only because this manuscript discus about only one complex.7. 2.4 section X-ray structure determination of complex 4 should be X-ray structure determination of complex 1.8. Table 1 is not well formatted. It must be their Empirical formula instead of Chemical formula.9. Scheme 1. Line no. 117, heading should be Synthesis of ligand (H₂L) and Zn(II) complex. Beside this the drawing of chemical structure is not clear and small in size to read.10. DOI or links of references are not provided.	

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>	

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