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Journal Name:	**Asian Journal of Chemical Sciences**
Manuscript Number:	**Ms_AJOCS_42355**
Title of the Manuscript:	**Spectral and Thermal Characterization of Mn(II), Ni(II) and Zn(II) Complexes Containing Schiff Base Ligands Towards Potential Biological Application**
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.
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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	The authors reported Spectral and Thermal Characterization of Mn(II), Ni(II) and Zn(II) Complexes Containing Schiff Base Ligands Towards Potential Biological Application. However the study is interested, there some points must be fixed before publications:	
Minor REVISION comments	1-The word " some " should be added 2- In introduction, for "Schiff base and their metal complexes have been extensively studied over the recent years due to their 25 wide variety of biological activities, industrial and pharmaceutical applications" the following citations must be added • Abdel-Rahman, L. H.; El-Khatib, R. M.; Nassr, L. A. E.; Abu- Dief, A. M., Ismael, M., Seleem, A. A., , Metal based pharmacologically active agents: Synthesis, structural characterization, molecular modeling, CT-DNA binding studies and in vitro antimicrobial screening of iron(II) bromosalicylidene amino acid chelates, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy , 2014, 117, 366–378 • Abdel-Rahman, L. H.; Abu-Dief, A. M.; Hashem, Nahla Ali , Seleem, Amin Abdou, Recent Advances in Synthesis, Characterization and Biological Activity of Nano Sized Schiff Base Amino Acid M (II) Complexes, Int. J. Nano. Chem,, 2015, 1 (2), 79-95. • Abdel-Rahman, L.H., Abu-Dief, A.M., Newair, E.F., Hamdan, S.K., Some new nano-sized Cr(III), Fe(II), Co(II), and Ni(II) complexes incorporating 2-((E)-(pyridine-2-ylimino)methyl)-napthalen-1-ol ligand: Structural characterization, electrochemical, antioxidant, antimicrobial, antiviral assessment and DNA interaction. J. Photochem. Photobiol. B 160, 2016, 18–31. • Abdel-Rahman, L.H., Abu-Dief, A.M., Aboelez, M.O., Abdel-Mawgoud, Azza A.H., DNA interaction, antimicrobial, anticancer activities and molecular docking study of some new VO (II), Cr (III), Mn (II) and Ni (II) mononuclear chelates encompassing quaridentate imine ligand, J. Photochem. Photobiol. B, 2017,170, 271–285. 3 - Why the authors choose Mn(II) , Ni (II) and Zn(II) as metal centers in his study? 4- All the chemicals used in the investigation should be mentioned with their purity. 5- For Zn(II) and Ni(II) they should be diamagnetic and therefore the value should be zero. What about values in table 1 of μ_{eff} in B.M. 6- For equation $\mu_{eff} = 2.83\sqrt{\chi_m^{corr}.T}$ B.M. the following citation must be added:	

	• Abdel-Rahman, L.H., Abu-Dief, A.M., Adam, M.S.S., Hamdan, S.K., Some new nano-sized mononuclear Cu(II) Schiff base complexes: design, characterization, molecular modeling and catalytic potentials in benzyl alcohol oxidation. Catal. Lett. 146, 2016, 1373– 1396. 7- Single crystal determination is a power full technique to identify the investigated compounds. What about it? And in absence of it mass spectra for the investigated compounds is recommended. 8- What about the stability of four metallic membered ring formed in scheme 2 in the structure of complexes. 9-IR charts should supply as supporting information. 10-The author should determine carefully which is formed at the end of degradation step metal or metal oxide and why? 11-disc diffusion method, the following citation must be added: • Abdel-Rahman, L. H.; Abu-Dief, A. M.; El-Khatib, R. M.; Abdel-Fatah, S. M., Some new nano-sized Fe(II), Cd(II) and Zn(II) Schiff base complexes as precursor for metal oxides: Sonochemical synthesis, characterization, DNA interaction, in vitro antimicrobial and anticancer activities Bioorganic Chemistry 69 (2016) 140–152 12- Standar deviation should be added to inhibition zone values of antimicrobial. 13- What about MIC measurements if it possible? 14- the author should add full justification for the reactivity of the prepared compounds as antibacterial.	
Optional/General comments	Please revise the language of the manuscript carefully before publication.	

Reviewer Details:

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Department, University & Country	***Chemistry Department, Sohag University, Egypt***