



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2014_ACSj_10427
Title of the Manuscript:	Stability and Antimicrobial Activity of Transition Metal(II) Complexes with SNO and ONO Functionalized Ligand: A Computational Study
Type of the Article	Original Research 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)
<u>Compulsory</u> REVISION comments	Line 64: Targeted structures in scheme 1-2 should be scheme 1 and 2. Line 118: Scheme 2 has ligand structure without Z substitution, while the structure of complex has the Z substitution, Make sure about this structure confusion. Authors should have elaborate the Mass, Electronic and IR spectral data of the ligands and respective complexes. Authors have to study more physical analysis of their compounds like magnetic susceptibility and Thermogravimetric analysis. Line 162: Our studies should be the synthesized compounds. Authors have no mentioned any materials and methods used for the synthesis of ligands and complexes as well the chemicals and solvents they used for the experimental, moreover there is no any analysis instrumentation information given in the manuscript. Authors should give proper information about bacterial strains with MTCC or ATCC numbers and from where they had brought this strains too.	- Corrected - Corrected - Added under the experimental work - Not available at our institution - Corrected - Added under the experimental work - It is not part of our experimental study.



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<u>Minor</u> REVISION comments	Authors should change fig. into the figure everywhere in manuscript.	- corrected
<u>Optional/General</u> comments	-	