



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)
Compulsory REVISION comments	The paper continue studies on using computational studies on the complexes to expect their antimicrobial activity. The aim of the work is good and could be published after reviewing the manuscript for the following comments: 1) On line 37 it stated that two research articles have been published and only Ref (7) is given 2) On Line 65-67 The author mentioned that a similar experimental part of his work was published, it would be nice if the reference is given. 3) On Line 75 "six coordinate complexes" should be four complexes. 4) On Mass spectroscopy the author should provide spectra for representative samples and on Line 99 "the loss one.." change to "the loss of one.." 5) NMR spectrum of the diamagnetic Zn complex the chemical shift should be compared with the ligand. 6) Do all complexes give CT band at 369nm? 7) In Scheme 2, for the compound 1, Z should be added and the number 3 under the complex should be deleted. 8) The numbering of the ligands used and the complexes are confusing since the numbers from 1-6 (Table 1) are given for the ligands and on the same time are given to complexes (Table 2). Please clarify.	1) corrected 2) reference was mentioned and corrected (ref 3) 3) it is absolutely six coordinate (not square planar complexes) 4) Mass spect for Cu complex is added in the supplements. "loss ..." is corrected 5) Comparison is already included in lines 155-159 6) Yes, all complexes give CT around that wavelength. 7) Corrected 8) Renamed in table 1 (L1, L2, L3, ..)



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	9) On line 234 "the inhibition zone are listed in table (2) and (3) but no data in Table (2) and on line 235 "of relative number s 1,2 and 3" should be "of relative numbers 1,2,3 and 4" 10) In Table 4 and 5 the Mn(II) complexes have numbers 1,5,9,13,17 and 21 should be changed to the numbers from 25 to 31.	9) Corrected 10) corrected
<u>Minor</u> REVISION comments	The paper is accepted after revision	
<u>Optional/General</u> comments	The author should provide the reference mentioned in the Revision Comments	