



SDI Review Form 1.6

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_50157
Title of the Manuscript:	Synthesis spectroscopy and computational Studies of Manganese (II) Complexes incorporating (N,O)(O,O') ligands and their biological activity
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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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)
<p>Compulsory REVISION comments</p>	<ol style="list-style-type: none"> 1. Page 1. Abstract. Line 5 should read "...where (C₉H₇NO) is 8-hydroxyquinoline, {(OH)₅(CH₂)(C₅H₅O)} dextrose (Dex) and {(OH)₆(CH₂)(C₅H₅O)} fructose (fru). These complexes were characterized by UV-Vis, IR spectroscopy, tandem mass spectrometry and elemental analysis. 2. "glu" has not been mentioned in the abstract but it was used (See page 5, Line 190). 3. Page 1. Abstract. Line 11. How about biological activity? It should be mentioned as well here. 4. Page 1. Line 12. The keyword should be Manganese (ii) complexes. 5. Page 1. Line 30 should read "...ligand are significant as they..." 6. Page 1. Line 38. There is supposed to be the reference for this. 7. Page 2. Line 42 should read "...by using 8-hydroxyquinoline (HQ) as...." 8. Page 2. Line 45 should read "...Candida albicans." 9. Page 2. Line 47 should read "2. MATERIALS AND EXPERIMENTS" 10. Page 2. Line 50 should read "All chemicals were used as received. The metal salt manganese (II) chloride was.." 11. Page 2. Line 52 should read "...from Chem King and..." 12. Page 2. Line 58. The sentence "Mass.....analysis" needs to be rewritten. 13. Page 2. Line 61 should read "2.2 Experimental section" 14. Page 2. Line 64 should read "This complex was synthesized as previously reports [16] with certain modifications. 15. Page 2. Line 35 should read "...ethanol was added to..." 16. Page 2. Line 68 should read "...was refluxed for..." 17. Page 2. Line 74 should read "The final solid was..." 18. Page 2. Line 81 should read "this complex was synthesized by the same method described before [16] with certain modifications. The preparation was via the equimolar quantity of manganese..." 19. Page 3. Line 84 should read "...(II) chloride,..." 20. Page 3. Line 84 should read "...with the mole ratio of 1:1:1 or 396 mg, 290 mg and 360 mg respectively. The final yellow product..." 21. Page 3. Line 112 should read "Petri dishes,..." 22. Page 3. Line 113 should read "...has six cups in each..." 23. Page 3. Line 118 should read "The plates were then incubated in the...." 24. Page 3. Line 120 should read "...for different concentrations of the...." 25. Page 4. Line 130 should read "...normally occurs at..." 26. Page 4. Line 140 should read "...Cl₂ whereas the complex [Mn..." 27. Page 4. Line 146 should read "...[19-22] as shown in Figure 1. 28. Page 4. Figure 1. There is no indication for each line of the graph, and x-axis as well. 29. Page 4. Line 156 should read "...and metal ions, it usually presents more...." 30. Page 4. Line 158 and 159. 2 = 10.4?! The symbol must be corrected. 31. Page 4. Line 160 should read "Figure 2 presents XRD..." 32. Page 5. Line 185 should read "(in black) and....(in red)" 33. Page 5. Line 190 should read "...receptivity as shown in Figure 3." 34. Page 6. Line 222 should read "...and Figure 4." 35. Page 6. Line 234. Why [26] is there? 36. Page 6. Table 2. The caption should read "Bond Lengths of..." 37. Page 7. Line 271 should read "...distribution is represented in Figure 5., the molecular structures of..." 38. Page 7. Line 272 should read "...files of theoretical..." 	



SDI Review Form 1.6

	<p>39. Page 8. Line 308 should read "...Cl2 showed high;y..."</p> <p>40. Page 8. Line 309 should read "..all types of bacteria. The results are given in Figure 6(C)."</p> <p>41. Page 8. Line 337. The basis?! This must be rewritten.</p> <p>42. Page 9. Line 339 should read "...with previous experimental structures. No significant differences were observed."</p> <p>43. Page 9. Line 344 should read "Different concentrations"</p> <p>44. The pattern for references should be consistent. The name of journal should be italicized. Ref. 4 and 11. The titles are capitalized.</p> <p>45. Reference 14 should contain pages used.</p>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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:	Pipat Chooto
Department, University & Country	Prince of Songkla Unviersity, Thailand