



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Applied Chemistry Research</a>
Manuscript Number:	<b>Ms_AJACR_50408</b>
Title of the Manuscript:	<b>Stranger Values of FTIR and NMR reflect Intramolecular Hydrogen Bonds and Dipole Interaction</b>
Type of the Article	<b>Case study</b>

**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>)



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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)
<p><b>Compulsory</b> REVISION comments</p>	<ol style="list-style-type: none"> <li>1. The title should be changed to "Unusual effects of intramolecular hydrogen bonds and dipole interaction on FTIR and NMR of imines"</li> <li>2. Page 1. Line 13 should read "Unusual effects of intramolecular.."</li> <li>3. Page 1. Line 13 should read "...are investigated using FTIR,....."</li> <li>4. Page 1. Line 13. Some organic compounds must be specified.</li> <li>5. Page 1. Line 13 should read "These phenomena affect both FTIR absorptions and chemical shifts."</li> <li>6. Page 1. Line 26 should read "...we can see that..."</li> <li>7. Page 1. Line 27 should read "...have a strong effect on.."</li> <li>8. Page 1. Line 28 should read "...the elongation of N-H and O-H bonds resulting in unusual values of FTIR and <sup>1</sup>HNMR."</li> <li>9. Page 1. Line 31-35 need to be rewritten. The results after comparison must be stated. The sentence "The importance...applications" is not correct and, for example, should read "The compounds are used widely in pharmaceutical and biological applications."</li> <li>10. Page 1. Line 31 should read "...seen in the case of an imine 1 as shown in Fig. 1."</li> <li>11. Page 1. Line 40 should read "...this compound exhibits only..."</li> <li>12. Page 1. Line 41 should read "...amino group as in Fig. 2"</li> <li>13. Page 1. Line 44 should read "...attached to carbon number seven both appear as.."</li> <li>14. Page 3. Line 60 should read "...generates five and six ring motifs as in Fig. 1. Greater deshielding leads to unusual delta values as in Fig. 3."</li> <li>15. Page 3. The sentence for motifs is repeated so Line 61 should read "...interaction. As a result, the chemical shift of..."</li> <li>16. Page 3. Line 64 should read "...which is uncommon as shown in Fig 4, similar to that from previous studies [11]."</li> <li>17. Page 4. Line 80 should read "...less stiff. As a result, they vibrate.."</li> <li>18. Page 4. Line 82 should read "...bonding as a very..."</li> <li>19. Page 4. Line 82 should read "...cm-1 shown in Fig. 6."</li> <li>20. Page 4. Line 85 should read "...respectively as in Fig. 6 and the results previously reported [12]."</li> <li>21. Page 5. Line 93 should read "The compounds (must be clearly specified) have strong effects on intramolecular.."</li> <li>22. Page 5. Line 94 should read "...which leads to.."</li> <li>23. Ref [3], [4], [5] and [6]. Why is there the name of the university?</li> <li>24. Ref [12]. Accepted where? This must be specified and it is significant.</li> </ol>	
<p><b>Minor</b> REVISION comments</p>		



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Optional/General comments		
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**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:	<b>Pipat Chooto</b>
Department, University & Country	<b>Prince of Songkla University, Thailand</b>