

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_101393
Title of the Manuscript:	Catalytic Reaction with Benzoic Acid Phenylacetylene in the Presence of Complex Catalysts
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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajocs.com/index.php/AJOCS/editorial-policy> )

## Review Form 1.7

### 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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p> <p>Abstract: 1-phenylvinyl benzoate and <i>anti</i>-Markovnikov coupling product - styryl benzoate were obtained.</p> <p>Introduction In the present study-----</p> <p>Results and Discussion It can be seen from the results obtained that the catalysts lead led to the formation of the Markovnikov coupling product 1-phenylvinyl benzoate in large quantities. The activity and selectivity of catalysts are were affected by the basicity of the ligand. The reaction was carried out in solutions of carbon tetrachloride, cyclohexane, toluene, tetrahydrofuran (THF) THF and dioxane at a temperature of 60 °C.</p> <p>Conclusion The catalytic reaction of the coupling of phenylacetylene with benzoic acid in the presence of [Co(C<sub>3</sub>H<sub>5</sub>N<sub>3</sub>S<sub>2</sub>)<sub>2</sub>(CH<sub>3</sub>COO)<sub>2</sub>] and the [Zn(C<sub>4</sub>H<sub>7</sub>S<sub>2</sub>)<sub>4</sub>](NO<sub>3</sub>)<sub>2</sub> complex was carried out. in the presence of catalysts. In this case, the product of the Markovnikov coupling, 1-phenylvinyl benzoate, is was formed in a larger amount.</p>	
<p><b>Optional/General</b> comments</p>	<p>(i) In general, the article was well designed and very well written. (ii) Justification for the study not presented (iii) The objective(s) of the study was (or were) not presented under the Abstract and Introduction.</p>	

### 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)
<p>Are there ethical issues in this manuscript?</p>	<p><u>(If yes, Kindly please write down the ethical issues here in details)</u></p>	

**Review Form 1.7**

**Reviewer Details:**

Name:	<b>Chika J Mbah</b>
Department, University & Country	<b>University of Nigeria, Nigeria</b>