

## Review Form 1.7

Journal Name:	Chemical Science International Journal
Manuscript Number:	Original Manuscript_CSIJ_117832
Title of the Manuscript:	Atomic Structure: Testing the Electron Phase Transformation Theory
Type of the Article	Short communication

### 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. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<ol style="list-style-type: none"> <li>1. It's impossible to definitively say whether the specific manuscript "Atomic Structure: Testing the Electron Phase Transformation Theory" is important for the scientific community without more information. However, the title suggests it could be significant for a few reasons: <ul style="list-style-type: none"> <li>• <b>Novelty:</b> The concept of "Electron Phase Transformation Theory" suggests a new idea about electron behavior in atoms. New theories can be very important if they lead to new understanding or challenge existing paradigms.</li> <li>• <b>Topic:</b> Atomic structure is a fundamental concept in chemistry and physics. Research that refines our understanding of this topic is inherently valuable.</li> </ul> </li> <li>2. <b>I suggest changing the title to (Examining the Electron Phase Transformation Theory in the Context of Atomic Structure).</b></li> <li>3. Based on the information, I found about the possible abstract, it seems somewhat comprehensive, but it could be improved: <ul style="list-style-type: none"> <li>• <b>Strengths:</b> It mentions the current understanding of atomic structure being challenged by new theories and instrumentation. It highlights the Electron Phase Transformation Theory as a potential explanation for electron behavior.</li> <li>• <b>Weaknesses:</b> It doesn't mention how well the theory is tested or how it explains existing observations. It also focuses on explaining the need for the new theory rather than the testing aspect emphasized in the title.</li> </ul> </li> <li>4. Yes, it is appropriate.</li> <li>5. Yes, I think so.</li> <li>6. Yes, the references are sufficient and recent.</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	No, it needs improvement	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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