

**Review Form 3**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_126932
Title of the Manuscript:	Exploration of the Specific Forms of Electron Spin
Type of the Article	Research

### Review Form 3

#### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript offers an interesting new way to understand electron spin by suggesting a wave-based model instead of the usual point-particle view. This fresh approach could help solve long-standing questions about how electron spin works and possibly connect classical and quantum physics ideas. I like this manuscript because it challenges established theories and, if proven correct, could have a big impact on our understanding of particles in physics and chemistry.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title of the article might need some refinement to better capture its focus on a new wave-based model for electron spin and its implications for quantum mechanics. A more specific title could be:</p> <p><b>"A Wave-Based Model of Electron Spin: Bridging Classical and Quantum Perspectives on Magnetic Moment"</b></p> <p><b>"Revisiting Electron Spin: A Wave Structure Approach to Magnetic Moment and Quantum Mechanics"</b></p> <p>These options more clearly highlight the paper's unique approach and potential impact on quantum theory.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p><b>Rewrite the Abstract:</b> revising the abstract to follow a structured format, including the introduction, methodology, results, and conclusion. This will provide a clearer overview of the research and its key findings.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The manuscript would benefit from clearer subsections and structure to improve readability and organization. Including standard sections like <b>Introduction</b>, <b>Methodology</b>, <b>Results</b>, and <b>Conclusion</b> would help guide the reader through the paper's main ideas.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript appears scientifically robust as it presents a well-developed theoretical model grounded in established principles of classical and quantum mechanics, specifically aiming to address limitations in the current understanding of electron spin. By introducing a wave-based model, it challenges traditional particle concepts with clear mathematical foundations, which may provide a fresh perspective on the electron's magnetic moment. The authors support their approach with logical arguments and align their model with observed experimental phenomena, such as electron spin and photon decay. However, further details on experimental validation or potential testable predictions would strengthen its scientific rigor and technical soundness.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>The authors should include more recent references to strengthen the paper and ensure it reflects the latest research in the field.</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language quality of the article could be improved for scholarly communication. While the main ideas are compelling, the writing is sometimes overly complex and repetitive, which may make it challenging for readers to follow the arguments. Simplifying the language, clarifying technical terms, and reducing redundancy would enhance readability and help convey the scientific concepts more effectively.</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> <li>1. <b>Rewrite the Abstract:</b> revising the abstract to follow a structured format, including the introduction, methodology, results, and conclusion. This will provide a clearer overview of the research and its key findings.</li> <li>2. The paper should follow a structured format, including sections for the introduction, methodology, results, and conclusion.</li> <li>3. <b>Introduction section:</b> The paragraph raises interesting points about the limitations of current quantum models for explaining electron spin and suggests a new wave-based model instead. To improve clarity, the authors should focus more on explaining how their model works and what specific problems it solves, with clear examples. Simplifying the language and reducing repetition would also make the argument easier to follow.</li> <li>4. The authors should simplify and clarify each main idea, provide specific evidence for claims, explain the model's broader significance, carefully support any claims of a "revolution," suggest future research, and use straightforward language for better readability.</li> <li>5. The authors should include more recent references to strengthen the paper and ensure it reflects the latest research in the field.</li> </ol>	

**PART 2:**

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

**Reviewer Details:**

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<p>Department, University &amp; Country</p>	<p><b>Al Balqa Applied University, Jordan</b></p>