

Review Form 3

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_122159
Title of the Manuscript:	Research Development and Future Aspects of Quantum dot and Perovskite Sensitized Solar Cells
Type of the Article	Minireview Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>This manuscript is important to the scientific community as it explores the advancements in quantum dot and perovskite-sensitized solar cells, which are at the forefront of solar energy research. These technologies hold significant potential for improving the efficiency and cost-effectiveness of photovoltaic devices. The comprehensive nature of this review, combined with its focus on both the current state and future prospects of these solar cells, makes it a valuable contribution to the field. The manuscript is well-timed, given the increasing interest in sustainable and renewable energy solutions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title, "Research Development and Future Aspects of Quantum dot and Perovskite Sensitized Solar Cells," is appropriate and accurately reflects the content of the manuscript. It clearly communicates the focus on both the research developments and future aspects of these solar cell technologies. No changes to the title are necessary.</p>	
<p>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.</p>	<p>The abstract is comprehensive, covering the key aspects of the manuscript, including the significance of the research, the technologies discussed, and their future potential. However, it would benefit from a brief mention of the specific challenges and advancements that are discussed in detail within the manuscript. This would provide a more balanced overview of the content.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are well-organized. Each section logically follows from the previous one, making it easy for the reader to follow the discussion. The manuscript is divided into clear, well-defined sections that guide the reader through the background, current developments, and future trends in quantum dot and perovskite-sensitized solar cells.</p>	
<p>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.</p>	<p>The manuscript is scientifically robust and technically sound. It provides accurate and detailed information on the mechanisms, efficiencies, and materials used in quantum dot and perovskite-sensitized solar cells. The authors have thoroughly reviewed the current state of research and provided a critical analysis of the challenges and opportunities in this field. The data presented is well-supported by references, ensuring the credibility and reliability of the findings.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are sufficient and include recent studies that are critical to the discussion of quantum dot and perovskite solar cells. However, adding a few more recent references from the last 2-3 years could further strengthen the review, particularly those discussing the latest advancements in scalability and the environmental impact of these technologies.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language quality is generally suitable for scholarly communication, but minor revisions are needed to improve clarity and readability. A thorough proofreading of the manuscript is recommended to correct any grammatical errors and ensure that the technical terminology is used consistently throughout the text.</p> <p>see attached file: Ms_IRJPAC_122159 A</p>	
<p><u>Optional/General</u> comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	No	

Reviewer Details:

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