

Review Form 1.7

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | Ms_PSIJ_119511 |
| Title of the Manuscript: | Influence of an External Electric Field on the Electric Parameters of a PV Solar Cell under Intense Illumination |
| Type of the Article | |

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) |
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| <p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>This manuscript is important for the scientific community as it explores the influence of an external electric field on the electric parameters of a PV solar cell under intense illumination. Understanding these influences can lead to optimized performance and efficiency of solar cells, contributing to advancements in solar energy technology and its applications in renewable energy systems.</p> <p>The title is generally suitable but could be more specific to reflect the findings. An alternative title could be: "Impact of External Electric Field on the Performance Parameters of PV Solar Cells under High Light Concentration".</p> <p>The abstract is comprehensive.</p> <p>The subsections and structure of the manuscript are appropriate.</p> <p>Based on the information provided, the manuscript seems scientifically correct. The study uses numerical simulation to analyze the effects of an external electric field on PV solar cells, and the findings are consistent with theoretical expectations. However, a detailed review of the methodology and data analysis is necessary to confirm the scientific accuracy. The references appear to be sufficient and relevant to the study. However, it is important to ensure that the most recent and significant studies in this field are cited. The author(s) should update the references with current literature (studies from 2020-2024)</p> | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? | <p>The English quality of the article are generally suitable for scholarly communication. The manuscript is clear and concise, with technical terms used appropriately.</p> | |
| <p>Optional/General comments</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) |
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| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

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Reviewer Details:

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