

[BPIReviewForm070520](#)

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|-----------------------|------------------------------------------------------------------|
| BookName:             | <a href="#">CurrentResearchProgressinPhysicalScience</a>         |
| ManuscriptNumber:     | <b>Ms_BPR_1313</b>                                               |
| TitleoftheManuscript: | <b>Four-Josephson-junctionfluxqubitwithcontrollableenergygap</b> |
| TypeoftheArticle      | <b>Bookchapter</b>                                               |

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**PART1: ReviewComments**

|                                                                                                                                               | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Author's comment (If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here) |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isthe manuscript important for the scientific community?<br>Please write a few sentences explaining your answer                               | Yes<br>The potential of a Josephson-junction flux qubit with controllable energy in quantum computing is significant. Josephson intersections, essential to this sort of qubit, empower intelligible quantum states vital for qubit activities. These motion qubits benefit from controllable energy levels, upgrading accuracy in quantum state control and readout. Higher coherence times and lower error rates may result from improved control over these qubits, which is essential for developing more dependable quantum processors and developing quantum computation technologies. |                                                                                                                                                            |
| Isthe title of the article suitable?<br>Do you have any alternative Title in your mind?                                                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Isthe abstract of the article comprehensive?<br>If your answer is No, please provide suggestions                                              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Do you think the English quality of the article is suitable for scholarly communications?<br>If your answer is No, please provide suggestions | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Please provide your comments regarding the appropriateness of different sections of the manuscript.                                           | <b>Abstract:</b> short, need to more elaborate, precise and concise<br><b>Introduction:</b> Additional reviews of the literature are required to provide support.<br><b>Methodology:</b> Marginally ok<br><b>Results and Discussions:</b> There needs to be more clarification. The conclusions are adequately supported by the data and analysis, including the statistical analysis. The hypothesis is adequately tested. Figure 2 needs further explanation as it is unclear and invisible.<br><b>Conclusions:</b> The applications need to be more detailed, intricate and valuable.     |                                                                                                                                                            |
| Do you think that the references in the manuscript are proper, recent and sufficient?<br>If you have any suggestions, please write here.      | No-References are not recent.<br>The claim needs to be supported with more recent references and the assertion has to be supported with more current studies.                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                            |

**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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| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |                                                                                                                                                                               |

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**Reviewer Details:**

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|----------------------------------|---------------------------------|
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| Department, University & Country | Derozio Memorial College, India |