

Review Form 3

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_121338
Title of the Manuscript:	Comparative Review of E-Beam and Gamma Radiation Sterilization Methods: Effectiveness, Safety, and Cost Considerations
Type of the Article	Review Article

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PART 1: Review Comments

<u>Compulsory</u> 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>
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.	The article provides a comprehensive review of Electron Beam (E-Beam) and Gamma Radiation sterilization methods, highlighting their mechanisms, advantages, disadvantages, and applications. It offers a comparative analysis of both methods, aiding in the selection of appropriate sterilization techniques based on specific requirements.	
Is the title of the article suitable? (If not please suggest an alternative title)	Suitable only	
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.	Highly enough	
Are subsections and structure of the manuscript appropriate?	Each section addresses a distinct aspect of the sterilization methods, making the comparison straightforward.	
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.	The review articles is good enough, even though, the author can be include the expand on the mechanisms of E-Beam and Gamma Radiation, perhaps with diagrams or illustrations, to help readers visualize the processes. Author can be including a section dedicated to the safety protocols and environmental impact associated with each sterilization method.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	References are sufficient	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	Overall, the article is a valuable resource for understanding the differences between E-Beam and Gamma Radiation sterilization methods. With some additional details and examples, it could serve as an even more comprehensive guide for professionals in industries that rely on sterilization.	

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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?	<i>(If yes, Kindly please write down the ethical issues here in detail)</i> NA	

Reviewer Details:

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