



REVIEWER'S REPORT

Manuscript No.: IJAR-56837

Title: Bacteriophage Therapy: A Resurgence in Combating Multidrug-Resistant Bacterial Infections.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity			✓	
Significance	✓			

Reviewer's Id: JPR-133

Reviewer's Comment for Publication.

The manuscript presents a detailed and informative review of bacteriophage therapy as a promising alternative to conventional antibiotics in combating multidrug-resistant (MDR) bacterial infections. The topic is highly significant and timely, given the global rise in antimicrobial resistance and the urgent need for innovative therapeutic strategies.

The paper provides a solid overview of the historical background, mechanisms of bacteriophage action, bacterial resistance strategies, and modern advancements such as genetic engineering and combination therapy. The inclusion of a real-world case example strengthens the practical relevance of the study. The discussion on biofilms, phage resistance mechanisms, and phage countermeasures is particularly valuable and demonstrates a good understanding of the subject.

The manuscript is technically sound overall, and the content is supported by relevant literature. The explanation of complex biological processes, such as lytic and lysogenic cycles, is clear and informative. The coverage of modern bioengineering approaches, including homologous recombination and in vitro phage assembly, adds depth to the review.

However, the manuscript requires **minor revisions** to enhance clarity and presentation:

1. There are several grammatical errors, typographical issues, and inconsistencies in spacing and formatting throughout the manuscript that should be carefully corrected.
2. Some sentences are overly long or awkwardly structured, which affects readability and should be revised for clarity.
3. The flow between sections can be improved by adding better transitions and subheadings for smoother readability.
4. The formatting of references and in-text citations should be standardized and checked for consistency.
5. The abstract can be slightly refined to improve coherence and eliminate minor spacing issues (e.g., missing spaces between words).

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Overall, the manuscript makes a meaningful contribution to the field and highlights the growing importance of bacteriophage therapy. After addressing the above minor issues, the paper will be suitable for publication.