|  |  |
| --- | --- |
|  | |
| Book Name: | [Pharmaceutical Science: New Insights and Developments](https://www.bookpi.org/bookstore/product/pharmaceutical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4886** |
| Title of the Manuscript: | **A Comprehensive Review on Phage Therapy and Phage-Based Drug Development** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Antibiotics 2024, 13(9), 870.**

[**https://doi.org/10.3390/antibiotics13090870**](https://doi.org/10.3390/antibiotics13090870)

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimumof 3-4 sentences may be required for this part.** | **The manuscript holds significant importance for the scientific community as it explores the potential of phages as vectors in drug development, a rapidly evolving area of research. By comprehensively covering the phage lifecycle, applications in drug-resistant bacterial infections, biofilm-associated bacteria, case studies, regulatory perspectives, and associated challenges, the article provides valuable insights for researchers and clinicians. The well-structured and detailed approach enhances understanding and encourages further exploration in this promising field.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **It is appropriate** |  |
| 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. | **The abstract is well-written and provides a comprehensive overview of the article’s content.** **While regulatory approval is mentioned, briefly indicating specific hurdles (e.g., standardization, large-scale production) may add value.** **The last sentence effectively outlines challenges but could be slightly more assertive in conveying the future potential of phage-based therapies in clinical applications.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/Generalcomments | 1. Expanding the case study section by summarizing key studies in a tabular format would enhance clarity and readability. A table can help organize essential details such as study objectives, bacterial strains targeted, phage types used, treatment outcomes, and key findings. This structured approach will allow readers to quickly grasp the significance of various case studies and compare results across different studies. 2. You can add a section on recent advancement of Machine learning in **phage therapy and and phage based drug development** |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment*(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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*  NO |  |

**Reviewer details:**

**Kazi-Chishti, Y.B.Chavan College of Pharmacy, India**