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| 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)

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| 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 minimum of 3-4 sentences may be required for this part.** | **A very informative manuscript** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| 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. | **Yes** |  |
| **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/General comments | Though modulatory impact on immune response regarding bacteriophages is discussed but immunity against bacteriophages is missing. It may be an important consideration as antibodies to phages or CMI to phages may make them ineffective on repeat use.  Gembara, K., & Dąbrowska, K. (2021). Phage-specific antibodies. *Current Opinion in Biotechnology*, *68*, 186-192. <https://doi.org/10.1016/j.copbio.2020.11.011>  Urban-Chmiel, R., & Pyzik, E. (2025). Selected Mechanisms of Action of Bacteriophages in Bacterial Infections in Animals. *Viruses*, *17*(1), 101. <https://doi.org/10.3390/v17010101>  Urban-Chmiel, R., Nowaczek, A., Chmiel, P., Wawrzykowski, J., Pyzik, E., Marek, A., Stępien-Pyśniak, D., Alomari, M. M., & Dec, M. (2022). Determination of Anti-phage Antibodies in Calf Sera Following Application of Escherichia Coli and Mannheimia Haemolytica-specific Bacteriophages. *Journal of Veterinary Research*, *66*(3), 353. https://doi.org/10.2478/jvetres-2022-0041  Economics of phage-therapy has been ignored. Though it is an early stage to think of it, it is of vital importance. (https://www.phagetherapycenter.com/pii/PatientServlet?command=responsive\_faq#:~:text=How%20much%20does%20phage%20therapy,%241%2C000.00%20for%20each%20additional%20nosology) |  |

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| **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)* |  |

**Reviewer details:**

**Bhoj Raj Singh, India**