

Special Issue

Bacteriophages Against Poultry-Associated Pathogens

Message from the Guest Editor

Poultry production is essential in meeting the rising global demand for animal-derived protein. As the industry has scaled up, establishing large-scale poultry production systems has become prevalent. These systems have concurrently heightened the necessity for robust and effective anti-pathogenic bacteria management strategies. Phages can be used to prevent and treat poultry bacterial diseases and could be effective in controlling zoonotic pathogens.

Bacteriophages and phage-based products could be directly added to poultry water and feed supplies. Encapsulation techniques can protect phages from environmental factors that might influence their efficacy, such as stomach acids and digestive enzymes. Phage-based products can be integrated with existing biosecurity and hygiene practices to enhance pathogen control. The use of bacteriophages and phage-based products as water and feed additives, and in encapsulated forms, presents a promising strategy for enhancing the overall health of poultry. The goal of this Special Issue is to collect original articles and reviews that highlight the characterization and application of phages in poultry.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2025)



Agriculture

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Impact Factor 3.6
CiteScore 7.8



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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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