

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

Dr. Marta Kuźmińska-Bajor

Department of Biotechnology and Food Microbiology, Wrocław University of Environmental and Life Sciences, Chelmońskiego Street 37, 51-630 Wrocław, Poland

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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