



viruses



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Roles and Applications of Phages in the Food Industry and Agriculture

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Efforts in overcoming the difficulties of the complexity of food matrices, in vivo or field experiments lead to expansion of phage diversity and their exploitation, demonstrating several possible applications for phage-related products across the entire food production chain. Unravelling phage-host interactions is important for the rational development of phage cocktails and phage-based tools such as biosensors or biocontrol agents. In this context, the characterization of viral host-binding machineries and their bacterial receptors, as well as the attack and defence mechanisms are highly valuable.

For this special issue, we invite authors to submit original and unpublished research papers, reviews, or short communications covering different research topics related to the roles or the applications of phages in food processes or agriculture. This may include phage ecology and phage-host interactions in related fields, phage-based biosensors or biocontrol of food-borne pathogens or spoilage bacteria, and exploitation of phage proteins.



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Special Issue



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Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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