



The Impact and Applications of Phages in the Food Industry and Agriculture

Guest Editors:

Dr. Jennifer Mahony

APC Microbiome Institute and
School of Microbiology,
Bioscience Institute, National
University of Ireland, Cork,
Ireland

Prof. Dr. Douwe van Sinderen

University College Cork, APC
Microbiome Ireland, Cork, Ireland

Dr. Eoghan Casey

APC Microbiome Ireland & School
of Microbiology, University
College Cork, Cork, Ireland

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editors

Dear Colleagues,

The food industry (and its component agri-food sector) is a multi-billion dollar global industry, reliant on the production of foods with desirable organoleptic and physical properties. Dairy fermentations are consistently challenged by the presence of bacteriophages (phages), which may infect the lactic acid bacterial starter or adjunct cultures. Such infections may lead to slow or even failed fermentations with significant economic consequences.

In this Special Issue, we invite authors to submit unpublished original contributions and critical reviews covering topics relating to the research of phages that either negatively impact food fermentations or that may be beneficially applied to improve the microbial safety and/or quality of food or beverages. This may include themes such as phage ecology in food fermentations, phage-host interactions and the application of phages or their derived components as biocontrol or biosensors in the food industry.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Eric O. Freed

Director, HIV Dynamics and
Replication Program, Center for
Cancer Research, National
Cancer Institute, Frederick, MD
21702-1201, USA

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.**

Journal Rank: JCR - Q2 (*Virology*) / CiteScore - Q1 (Infectious Diseases)

Contact Us

Viruses Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/viruses
viruses@mdpi.com
[X@VirusesMDPI](https://twitter.com/VirusesMDPI)