

## Special Issue

# The Challenge of Biofilms in the Food Industry: Formation, Prevention and Control

### Message from the Guest Editors

Biofilms cause significant financial losses in the food industry, since the presence of biofilms along processing surfaces can result in corrosion and biofouling. Moreover, the alteration of organoleptic properties due to the secretion of lipases or proteases by some bacteria makes food unfit for consumption, which also entails economic losses. However, the most serious problem posed by biofilms is related with food poisoning, as some biofilm-forming species in food environments are human foodborne pathogens. Thus, it is urgent to deepen the knowledge regarding biofilms considering all perspectives relevant to the food industry, including the formation of biofilms and their structure, disinfection resistance and new strategies for targeting them. With this Special Issue, we aim to gather a collection of articles that boost our knowledge on food-associated biofilms, their real impact on food safety and quality, and innovative strategies that can help industry and retailers in managing this problem. We hope that helpful information can be gathered and used by relevant stockholders to increase food security/quality and, ultimately, to protect public health.

### Guest Editors

Dr. Pilar Teixeira

LIBRO—Laboratório de Investigação em Biofilmes Rosário Oliveira,  
Centre of Biological Engineering, University of Minho, 4710-057 Braga,  
Portugal

Dr. Carina Almeida

INIAV, IP—National Institute for Agrarian and Veterinary Research, Rua  
dos Lagidos, Lugar da Madalena, 4485-655 Vairão, Vila do Conde,  
Portugal

### Deadline for manuscript submissions

closed (20 February 2023)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/105742](https://mdpi.com/si/105742)

*Foods*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

[mdpi.com/journal/  
foods](https://mdpi.com/journal/foods)





# Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/journal/  
foods](https://mdpi.com/journal/foods)



## About the Journal

### Message from the Editor-in-Chief

*Foods* (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

---

### Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg, and other databases.

#### Journal Rank:

JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).