



## Epidemiology, Prevention and Control of Foodborne Microbial Pathogens

Guest Editors:

**Prof. Dr. Marcia Nitschke**

São Carlos Institute of Chemistry (IQSC), University of São Paulo, Trabalhador São-Carlense Av., 400, P.O. Box 780, São Carlos 13560-970, SP, Brazil

**Prof. Dr. Gabriel Rossi**

Department of Veterinary Medicine, University of Vila Velha, Vila Velha 29102-920, ES, Brazil

**Prof. Dr. Juliano Gonçalves Pereira**

School of Veterinary Medicine and Animal Science, São Paulo State University (UNESP), Distrito de Rubião Jr, Botucatu 18618-970, SP, Brazil

Deadline for manuscript submissions:

**30 November 2024**

### Message from the Guest Editors

Dear Colleagues,

Understanding the epidemiology, prevention methods, and control of microorganisms causing foodborne diseases is essential for public health. A detailed comprehension of these areas allows the most prevalent pathogenic agents (bacteria, parasites, prions, and viruses) and their transmission routes to be characterized and monitored, enabling the development of effective strategies in order to prevent the contamination of food intended for consumption and consequently outbreaks. This significantly reduces the incidence of diseases, lessens the burden on the healthcare system, and avoids economic losses associated with treatment and productivity loss of affected individuals. Additionally, controlling the spread of pathogens to consumers is crucial for industries which face significant economic impacts during outbreaks or when recalls are necessary.

Therefore, this Special Issue aims to collate scientific research studies and literature reviews that provide relevant contributions that improve our understanding of the main routes of food contamination by pathogens and their prevention and control.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

Department of Molecular  
Systems Biology, UFZ-Helmholtz  
Centre for Environmental  
Research, 04318 Leipzig,  
Germany

## Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

## 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, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

## Contact Us

---

*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/microorganisms  
microorganisms@mdpi.com  
X@Micro\_MDPI