

## Special Issue

# Food Microbiology: Foodborne Pathogens and Diseases

### Message from the Guest Editor

In the second half of the twentieth century, food production shifted globally, increasing production and stabilising prices. Food production systems have become very efficient, high yields, quality, and safety and low production costs. Today, we are facing stagnating production, highly dependent on the availability and costs of energy, and that might not be sustainable in the near future. Thus, food safety issues may not seem to be of the utmost importance. A circular economy would improve sustainability. The reduction in food waste and development of plant-based and other edible alternatives to products of animal origin could improve food accessibility. However, they also present new challenges and pose questions about undesirable, opportunistic, or pathogenic microorganisms and their secondary toxic metabolites. Attention must be paid to the emergence of (new) food safety hazards. Have we collected enough data to conduct exposure or risk assessments? This Special Issue is devoted to these microbiological challenges and answering questions similar to those listed above. Prof. Dr. Lubomir Valik

### Guest Editor

Prof. Dr. Lubomir Valik

Institute of Food Sciences and Nutrition, Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava, Radlinského 9, SK-812 37 Bratislava, Slovakia

### Deadline for manuscript submissions

closed (20 September 2023)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/131686](https://mdpi.com/si/131686)

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

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

[applsci](https://doi.org/10.3390/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )