

## Special Issue

# New Challenges in Environmental Microbiology and Food and Nutrition Science

### Message from the Guest Editors

This Special Issue delves into the convergence of environmental microbiology and food and nutrition science, addressing novel obstacles and prospects while incorporating key areas such as novel microbial technologies, gut microbiota and human health, functional foods, microbial fermentation and foods, probiotic products, and plant-based food. Environmental microbiology is instrumental in deciphering microbe–environment interactions, while food and nutrition science focuses on the impact of food on health. This issue will synthesize cutting-edge research on environmental microbiology's role in food safety and quality, the effects of environmental changes on food microbiology, novel microbial technologies for food production and preservation, and the gut microbiota–human health link. It will also address challenges such as antibiotic resistance, sustainable food systems, and the development of functional foods, including plant-based options and probiotics, with an emphasis on the significance of microbial fermentation.

### Guest Editors

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### Deadline for manuscript submissions

10 December 2025



## Applied Sciences

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*Applied Sciences*  
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[applsci@mdpi.com](mailto:applsci@mdpi.com)

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

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





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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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