

Special Issue

Advances in Food Safety and Microbial Control

Message from the Guest Editors

The microbiological quality of foods is an essential factor for consumers and food industries, since food-borne diseases still represent a widespread health and economic problem. In recent years, the prevention of microbial growth in foods has focused on the use of natural substances (compounds produced by microorganisms, plant extracts, enzymes, etc.) to maintain food safety. These substances have proven to be effective against both the planktonic and sessile cells (biofilm) of food-borne pathogens and spoilage microorganisms present in raw materials and on surfaces used during the production process. On the other hand, the number of emerging pathogenic microorganisms has increased over time, as has the population at-risk of microbial diseases. For this reason, the development of new methodologies for improving microbiological control are needed to facilitate the use of new, fast, and easy-to-use methods for microbial detection. This Special Issue welcomes original research articles and reviews, covering, but not limited to, the use of natural substances and new techniques for controlling and improving the microbiological quality of foods.

Guest Editors

Dr. Ramona Iseppi

Dr. Patrizia Messi

Dr. Carla Sabia

Deadline for manuscript submissions

closed (20 September 2025)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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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

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