



New Insights into Biocontrol to Improve Food Quality and Safety

Guest Editors:

Dr. Tiago Nazareth

Department of Food Science and Toxicology, Faculty of Pharmacy, University of Valencia, Ave. Vicent Andrés Estellés s/n, 46100 Burjassot, Spain

Prof. Dr. Giuseppe Meca

Department of Preventive Medicine and Public Health, Food Science, Toxicology and Forensic Medicine, University of Valencia, 46100 Valencia, Spain

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Message from the Guest Editors

Recent changes in food purchasing and consumption have led consumers to place greater importance on the impact of food production and processing on health and the environment. In order to address these problems, the industry has made great efforts to reduce losses by using natural preservatives that can replace traditional chemical biocides.

Biocontrol involves using living organisms or natural substances to prevent or reduce damage caused by harmful organisms. Therein, biocontrol can be carried out using natural substances of plant origin, such as essential oils and isolated molecules, as well as microorganisms and animals and their derivatives, which offers new opportunities to control foodborne pathogens, improving food safety and quality. Therefore, this Special Issue aims to publish high-quality reviews and original research articles encompassing the biological control of viral, microbial, nematode, insect, mite, weed, and vertebrate pests and their toxic substances to improve food quality and safety.

• **Keywords:**

- Biological control agents
- Antimicrobial compounds
- Toxigenic fungi
- Foodborne pathogens
- Essential oils





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Editor-in-Chief

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

Message from the Editor-in-Chief

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