

## Special Issue

# New Insights into Biocontrol to Improve Food Quality and Safety

### 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

### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2023)



## Applied Sciences

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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

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