



Special Issue on Applied Food Microbiology

Call for Papers

Applied Food Microbiology focuses on the practical use of microbiological principles to improve food safety, quality, preservation, and production processes. This special issue explores the roles of microorganisms in food systems, including beneficial microbes used in fermentation as well as pathogenic and spoilage organisms that affect food stability and public health. It highlights recent advances in microbial detection technologies, control strategies, and innovative preservation methods aimed at reducing contamination and extending shelf life. The issue also welcomes studies on microbial ecology in food environments, antimicrobial resistance in foodborne pathogens, probiotic applications, and the integration of modern molecular and genomic tools to enhance food safety management and sustainable food processing.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Applied Food Microbiology**. Potential topics include, but are not limited to:

- Antimicrobial resistance in food microbes
- Biofilm formation in food systems
- Fermentation microbiology
- Food preservation microbiology
- Food spoilage microbiology
- Foodborne pathogens
- Hygiene and sanitation microbiology
- Industrial food microbiology
- Microbial ecology of foods
- Microbial food safety
- Microbial risk assessment
- Molecular techniques in food microbiology
- Predictive food microbiology
- Probiotic and functional microbes
- Rapid microbial detection methods
- Starter cultures and microbial biotechnology

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Applied Food Microbiology**” should be selected during your submission.

Special Issue Timetable:

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For further questions or inquiries, please contact Editorial Assistant at fns@scirp.org.