

Special Issue

Applied Microbial Biotechnology for Poultry Science

Message from the Guest Editor

Microorganisms are proliferant in the environment and within poultry themselves. These bacteria can benefit the host (probiotic), have no effect (commensal), or cause disease in the bird or humans. A complex interaction between these bacteria occurs in the poultry gastrointestinal microbiota or microbiome.

The beneficial microbiota coexisting in the microbiome potentially provide disease-sparing effects and improve growth performance. There is a vast effort to isolate, identify, and utilize these beneficial microbiota and their by-products across the poultry industry. And researchers are trying to understand and modulate the poultry microbiome in order to improve health and performance among poultry. Biotechnology is used to understand the microbiota and their by-products and develop approaches for their utilization.

This Special Issue is to collect advancements in the application of microbial biotechnology throughout the poultry industry while addressing their impact on health, disease, and performance. As well, this Special Issue will address the use of microbial biotechnology in advancing food safety efforts across the pre/postharvest of poultry products.

Guest Editor

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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.

Editor-in-Chief

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