



Health, Nutrition and Productivity: What Is the Connection to the Poultry Gastrointestinal Microbiota?

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The bird gut microbiota plays a crucial role in the upkeep of intestinal health through its ability to control host physiological functions required to maintain intestinal homeostasis. This is achieved through the competitive exclusion of detrimental microorganisms and pathogens, which prevents colonization and decreases the expense of energy that birds normally invest in keeping their immune systems active against these pathogens. A healthy intestinal microbiota indicates energy saving for the host, which translates into an improvement in the productive performance of the birds. Genetics, nutrition, management, welfare, etc., all play a role for birds in maintaining optimized performance and ensuring the homeostatic state of the microbiota.

Dr. Dima Lynn White
Guest Editor





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Message from the Editor-in-Chief

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