



The Role of Gut Microbiome and Nutrition in Poultry Health

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Chicken diets are formulated to provide the animal with adequate nutrients to keep animal performance and health status. They are a source of energy, proteins, vitamins, amino acids and minerals. Ingestion of diets with imbalanced nutrients supplementation may lead to imbalanced gut microbiome, animal disease and inefficient use of natural resources. The chicken gut microbiome has an important role in nutrient digestion, pathogen inhibition, endocrine activity, immune system regulation and gut epithelium nourishment. Interactions between microorganisms are important for gut homeostasis and to promote the development of the intestinal mucus layer and host metabolism and have an influence on animal physiology and health. Optimized nutrition has a positive impact on gut microbiome diversity.

The present Special Issue aims to combine in one publication the most recent advances in the role of gut microbiome and nutrition in poultry health. We invite you to contribute with research papers, literature reviews, and case reports.





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Message from the Editor-in-Chief

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