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Gut Health in Poultry

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Message from the Guest Editors

Dear Colleagues,

Intestinal health is of vital importance to the performance and wellbeing of poultry. A healthy gut is based on the physiological homeostasis of different processes including nutrient digestion and absorption, host metabolism and energy generation, stable gut microbiome, mucus layer development, mucosal immune responses, and intestinal barrier function. The gastrointestinal tract is responsible for regulating this physiological homeostasis that provides the animal the ability to withstand endogenous and exogenous stressors, such as high feed intake, certain feed ingredients, specific pathogens, and toxins.

This Special Issue aims to gather innovative research on the pathogenesis of infectious and non-infectious intestinal disease, gut health diagnostics, intestinal immunity, and studies investigating the mode of action of novel feed ingredients and feed additives to control gut health.

Prof. Gunther Antonissen

Dr. Evy Goossens

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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