



## Veterinary and Alternative Strategies to Control Avian Coccidiosis and Necrotic Enteritis

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### Message from the Guest Editor

Dear Colleague,

Avian coccidiosis and necrotic enteritis (NE) are the top enteric diseases compromising the performance and gut health of chickens. Avian coccidiosis is caused by at least seven distinct species of *Eimeria* apicomplexa protozoa that infect the intestinal mucosa. Avian NE is an acute or chronic enterotoxemia in chickens caused by *Clostridium perfringens*, a gram-positive, anaerobic, spore-forming bacterium, and characterized by a fibronecrotic enteritis of the small intestine. Until now, preventive measures (i.e., vaccines) against the enteric pathogens have not been developed that warrant the integrative strategies incorporating from veterinary to nutrition improving immunity and gut health of the hosts. In this Special Issue, we will include reviews of current understanding on the pathogenesis and control measures of avian coccidiosis and NE, and research articles presenting new findings of the molecular and immunological working mechanisms of veterinary and alternative measures controlling the enteric pathogens.

Prof. Dr. Kyung-Woo Lee  
*Guest Editor*





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## Message from the Editor-in-Chief

*Vaccines* (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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