Special Issue

Clostridium Pathogenesis: Virulence, Host Responses, Microbiome, and Interventions

Message from the Guest Editors

Dear colleagues, The genus *Clostridium* is a group of Gram-positive, spore-forming, and anaerobic bacteria. *Clostridium* inhabits a large spectrum of environments, such as soil, water, and the intestinal tracts of humans as well as animals. A diverse array of diseases, such as enteritis, gas gangrene, and tetanus, are induced by the members of exotoxin-producing *Clostridium*, such as *C. difficile*, *C. perfringens, C. botulinum*, *C. tetani*, *C. chauvoei*, *C. haemolyticum*, *C. novyi*, and *C. septicum*. Although an increasingly large body of studies has brought significant insights into the mechanisms of *Clostridium* diseases, much knowledge remains to be elucidated regarding the dynamic interactions between *Clostridium*, environments (microbiomes), and hosts at the levels of genomics, transcriptomics, proteomics, and metabolomics. The goal of this Special Issue, entitled "*Clostridium* Pathogenesis: Virulence, Host Responses, Microbiome, and Interventions", is to promote reports of advanced findings in the mechanisms and interventions of *Clostridium* diseases.

Guest Editors

Dr. Xiaolun Sun

Dr. Zhenquan Jia

Dr. Ying Fu

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Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly
Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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