

## Special Issue

# Anthrax—a Threat beyond *Bacillus anthracis*

### Message from the Guest Editors

For decades, *Bacillus anthracis* was considered to be the only bacterial agent causing anthrax disease. *B. anthracis* is a member of the *Bacillus cereus* group in which bacteria are related on the chromosomal level, but possess a variety of plasmids responsible for different pathogenicities. As exchange of genetic material occurs naturally in the genus *Bacillus*, it is not unexpected that *B. anthracis* virulence genes and plasmids could occur in other species. During the last 20 years, increasing numbers of anthrax-like cases have been detected that were caused by such atypical *Bacilli*. The cluster of Bcbva was detected in African rain forest areas where these bacteria mainly affect wildlife species. Human exposure has been reported based on serological evidence. *B. tropicus* G9241 and other *Bacillus* spp. expressing anthrax toxins have caused severe and fatal infections amongst welders in the US. In addition, these *Bacillus* strains expressing anthrax toxins cause cutaneous infections resembling anthrax. In this Special Issue of *Pathogens*, we would like to cover all aspects of this emerging group of atypical *Bacilli* causing anthrax-like disease.

### Guest Editors

Dr. Silke R. Klee

Robert Koch-Institut, Centre for Biological Threats and Special Pathogens (ZBS2, Highly Pathogenic Microorganisms), Berlin, Germany

Dr. Alex R. Hoffmaster

Centers for Disease Control and Prevention, Bacterial Special Pathogens Branch, Atlanta, GA, USA

### Deadline for manuscript submissions

closed (20 December 2023)



## Pathogens

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/si/76959](https://mdpi.com/si/76959)

*Pathogens*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pathogens@mdpi.com](mailto:pathogens@mdpi.com)

[mdpi.com/journal/  
pathogens](https://mdpi.com/journal/pathogens)





# Pathogens

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/journal/  
pathogens](https://mdpi.com/journal/pathogens)



## About the Journal

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)